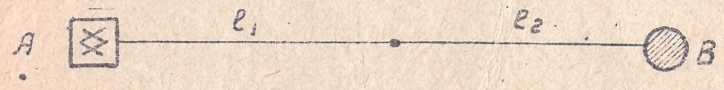
ПРИЛОЖЕНИЕ

В приложении представлены зависимости входных сопротивлений (вещественной и мнимой составляющих) от длины 1-го участка смешанной телефонной цепи, состоящей из 2-х однородных участков.



Входное сопротивление линии не зависит от длины 2-го участка l_2, поскольку конец линии нагружен на сопротивление, равное волновому сопротивлению второго участка

В качестве первого участка выбран участок, выполненный кабелем, марка которого написана первой на графиках.

Например: ТГ-0,5 ÷ ТГ-0,4;
ТГ-0,5—1-й участок,
а, l_1—длина 1-го участка.

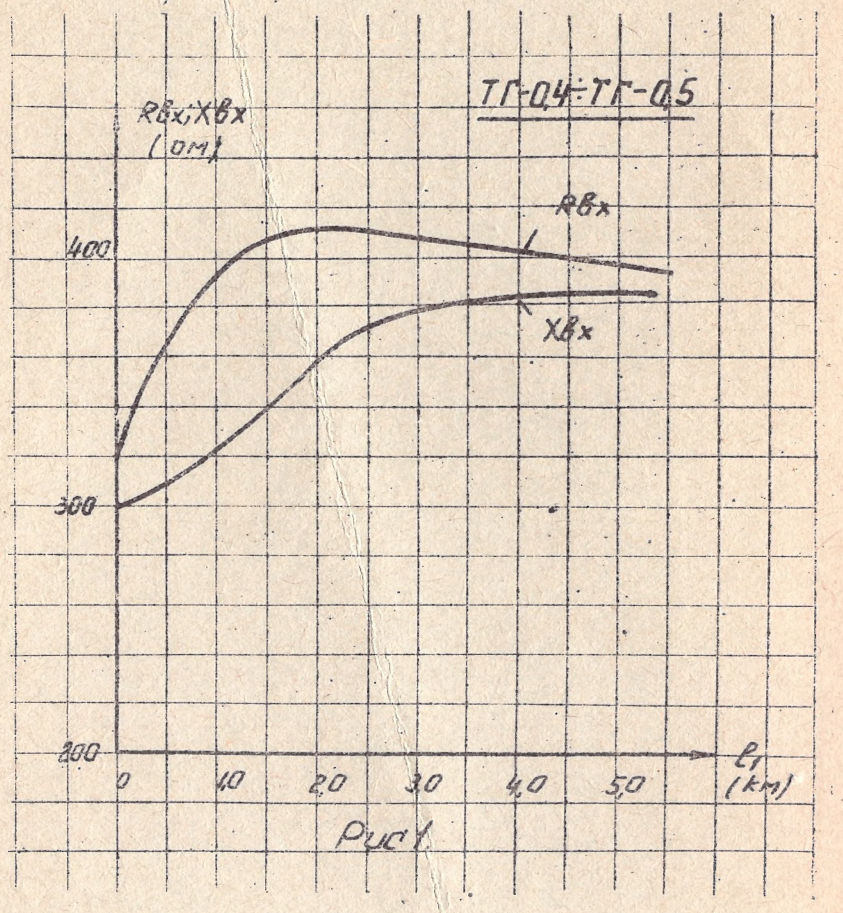


Рис 1

Ротапринт, МСС Облстатуправления, 1971 з.106 т.800.
Харьков, Инженерный пер. 3. тел. 47-31-52.

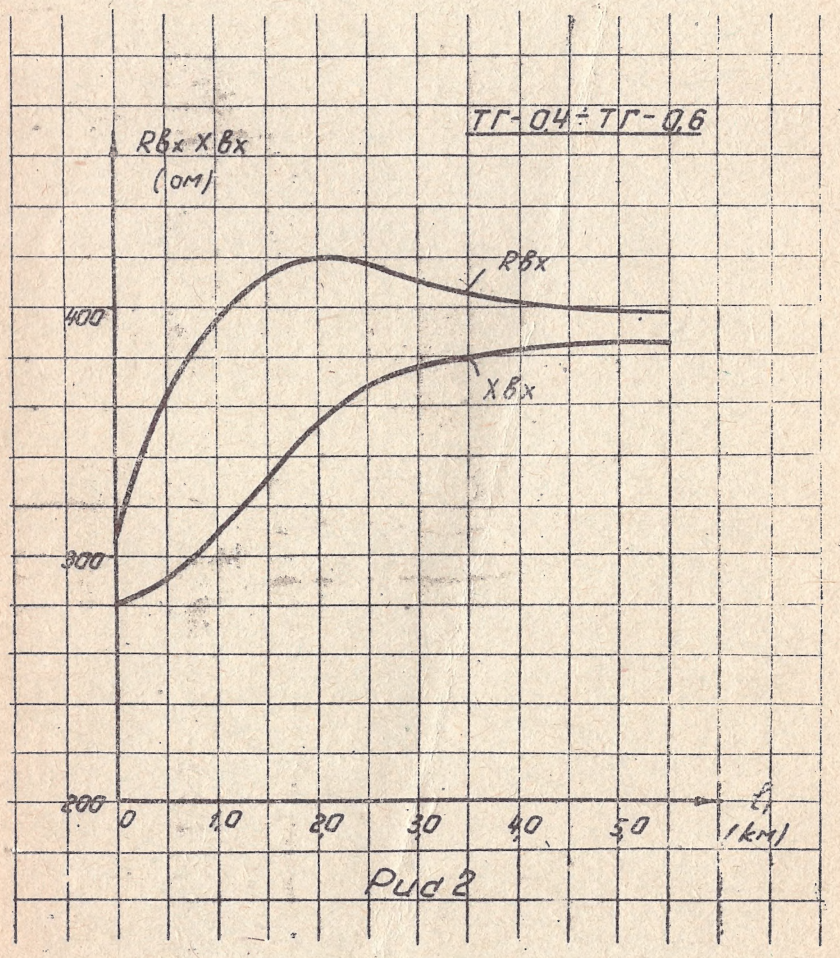


Рис 2

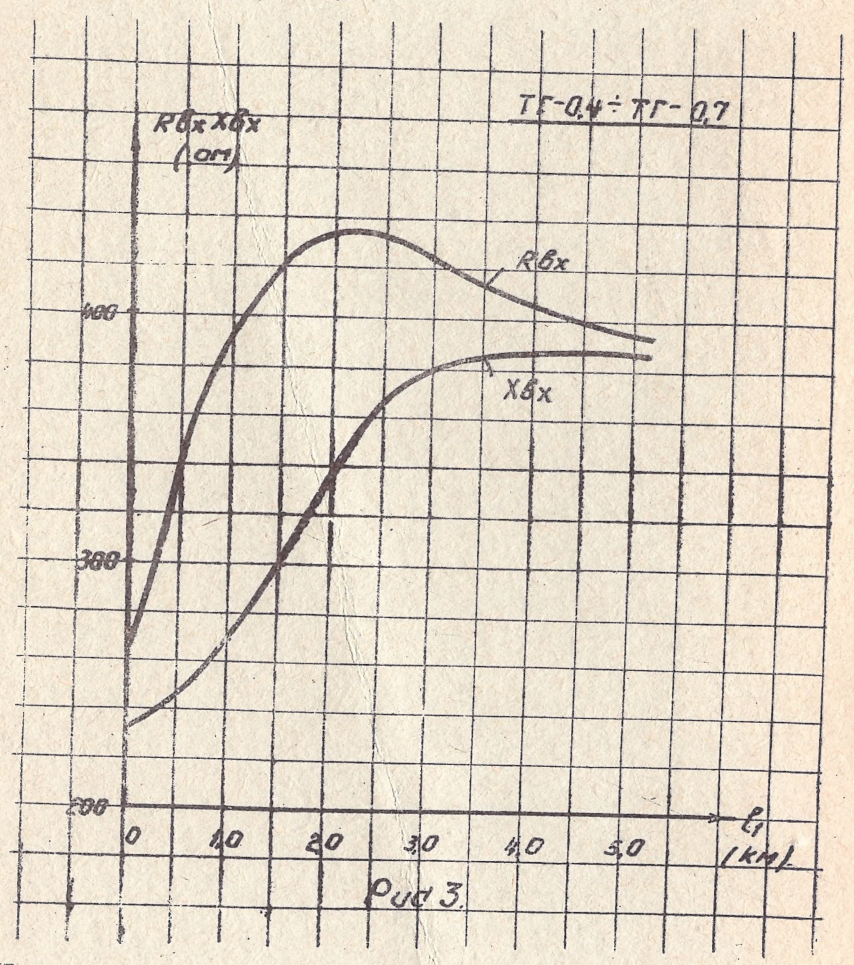

ТГ-0,4 ÷ ТГ-0,7
Rвх Xвх (ом)
Rвх
Xвх
400
300
200
0
1,0
2,0
3,0
4,0
5,0
ℓ1 (км)

Рис 3.

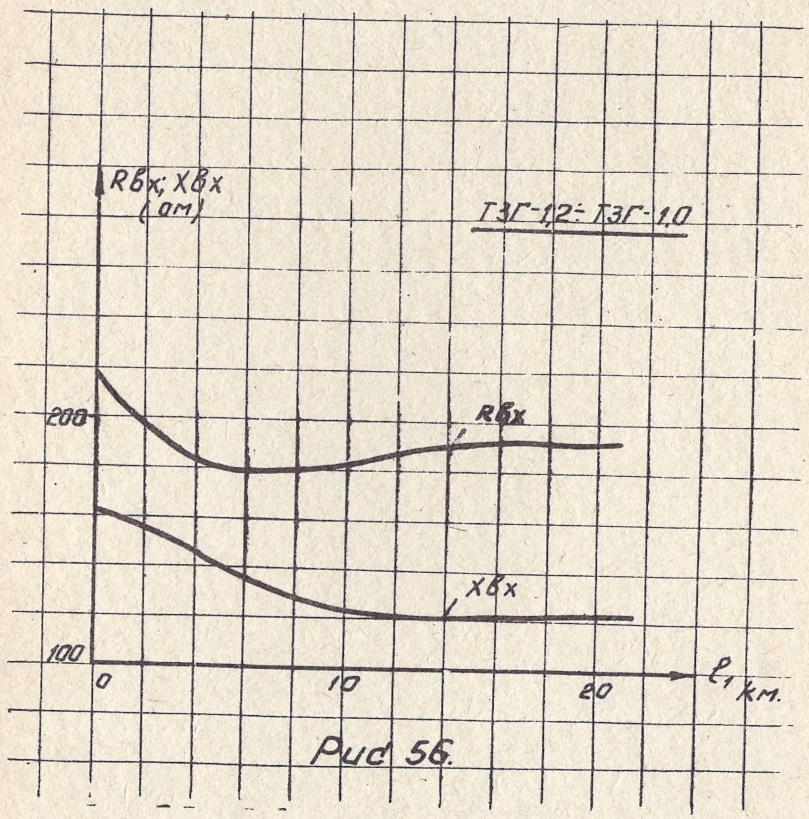

Rвх; Xвх (ом)
ТЗГ-1,2 ÷ ТЗГ-1,0
Rвх
Xвх
200
100
0
10
20
ℓ1 км.

Рис 56.

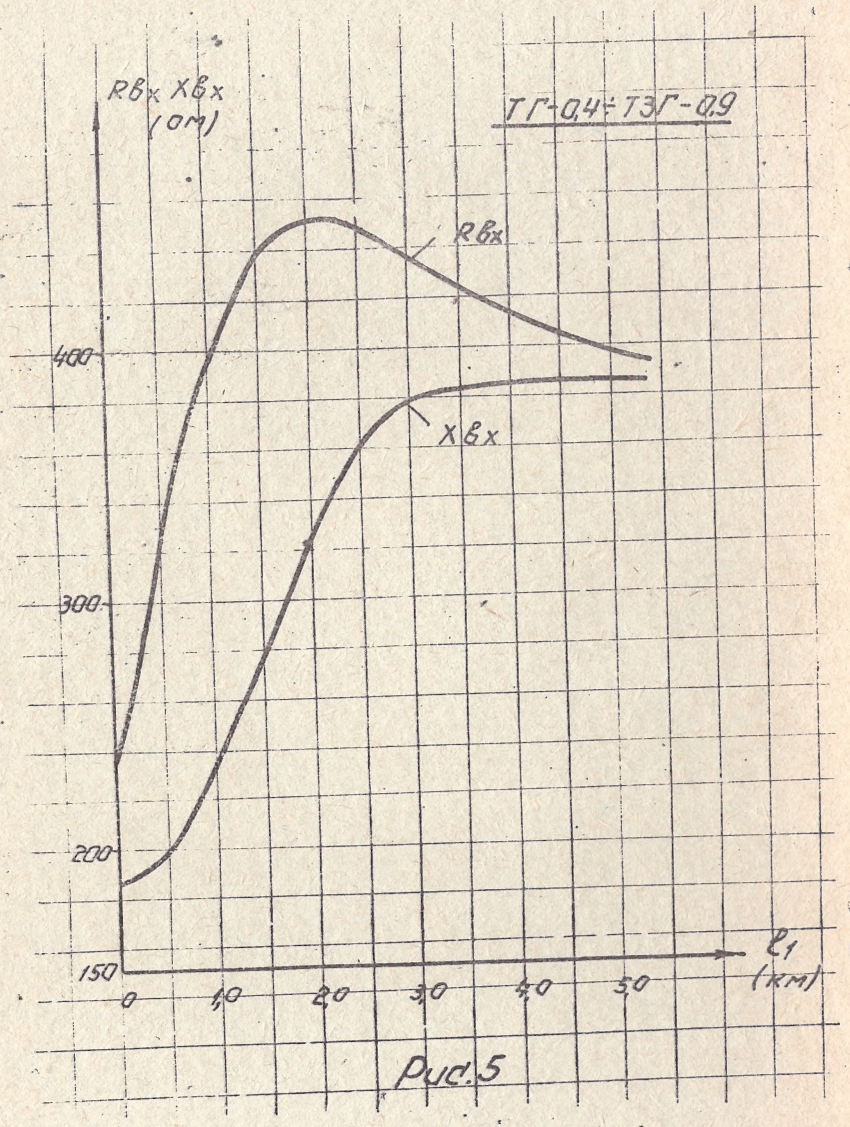

Rвх Xвх
(ом)
ТГ-0,4÷ТЗГ-0,9
Rвх
Xвх
400
300
200
150
0
1,0
2,0
3,0
4,0
5,0
l1
(км)

Рис.5

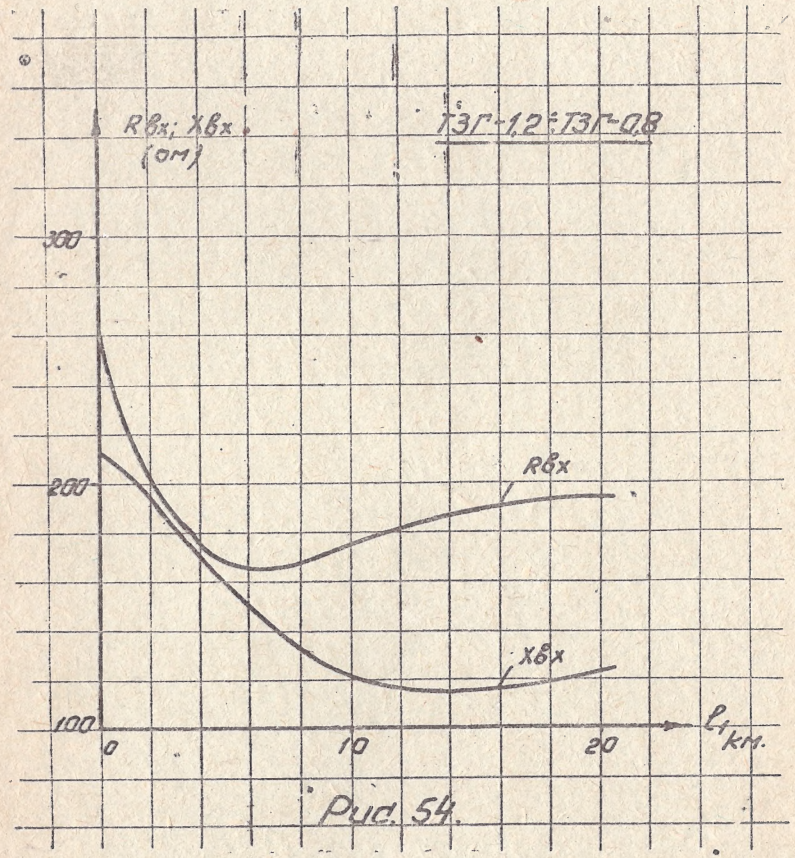

Rвх; Xвх
(ом)
ТЗГ-1,2÷ТЗГ-0,8
300
200
100
Rвх
Xвх
0
10
20
l1 км.

Рис. 54.

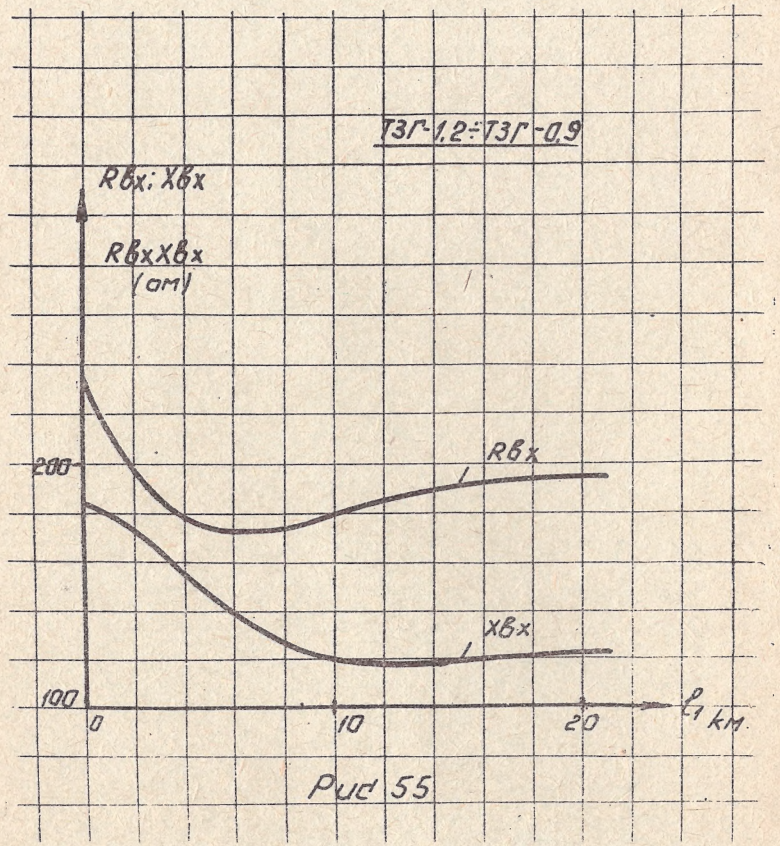

ТЗГ-1,2÷ТЗГ-0,9
Rвх; Xвх
RвхXвх
(ом)
200
100
Rвх
Xвх
0
10
20
ℓ1 км

Рис 55

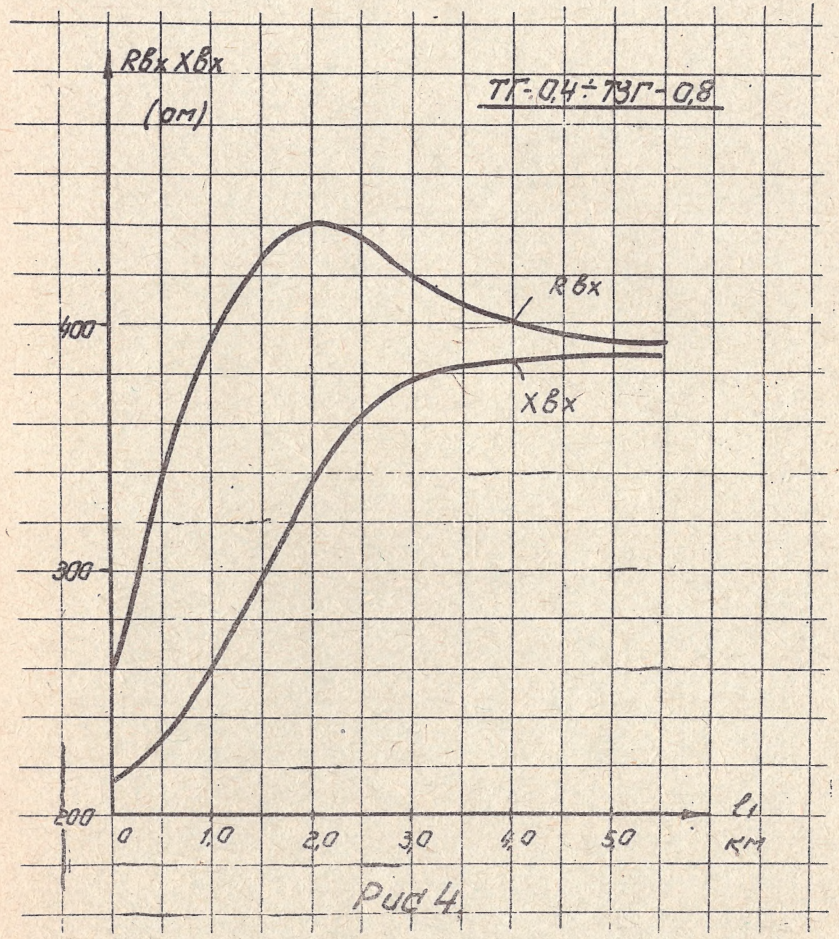

RвхXвх
(ом)
ТГ-0,4÷ТЗГ-0,8
400
300
200
Rвх
Xвх
0
1,0
2,0
3,0
4,0
5,0
ℓ1
км

Рис 4

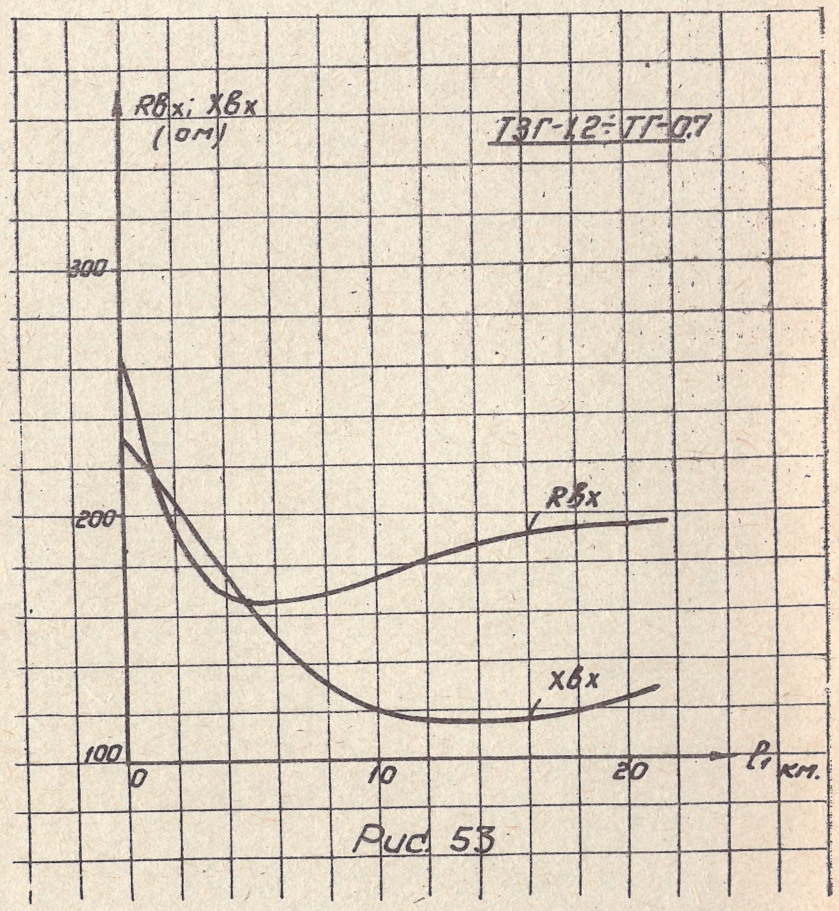

Rвх; Xвх
(ом)
ТЗГ-1,2÷ТГ-0,7
300
200
100
Rвх
Xвх
0
10
20
ℓ1 км.

Рис. 53

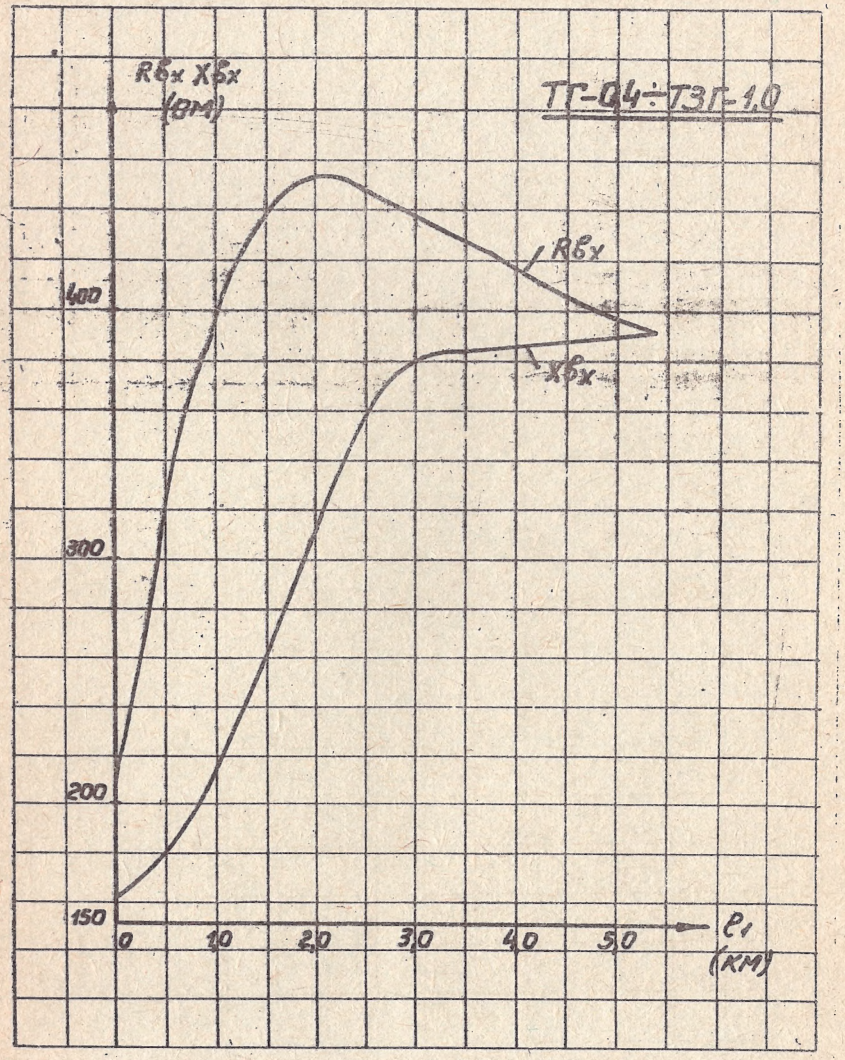

Rвх Xвх
(ом)
ТГ-0,4÷ТЗГ-1,0
400
300
200
150
Rвх
Xвх
0
1,0
2,0
3,0
4,0
5,0
ℓ1
(км)

Рис. 6

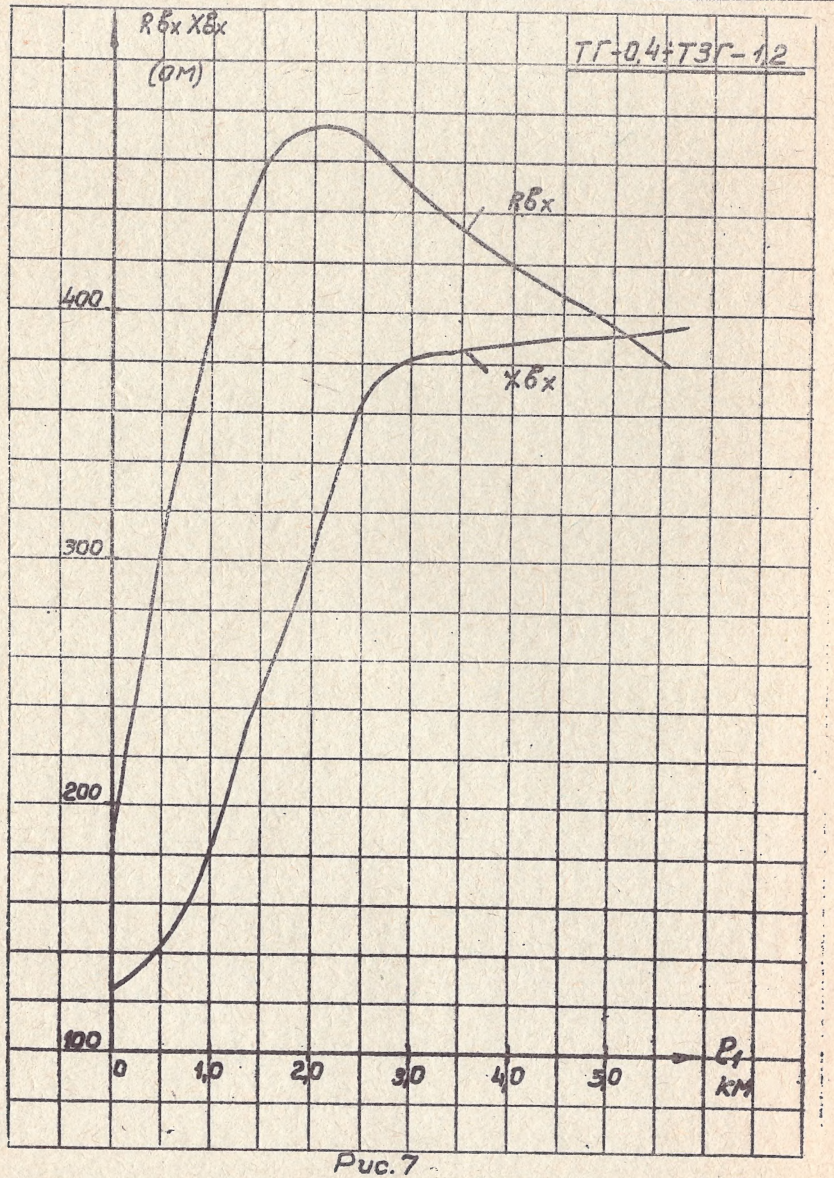

Rвх Xвх
(ом)
ТГ-0,4÷ТЗГ-1,2
Rвх
Xвх
400
300
200
100
0
1,0
2,0
3,0
4,0
5,0
ℓ1
км

Рис.7

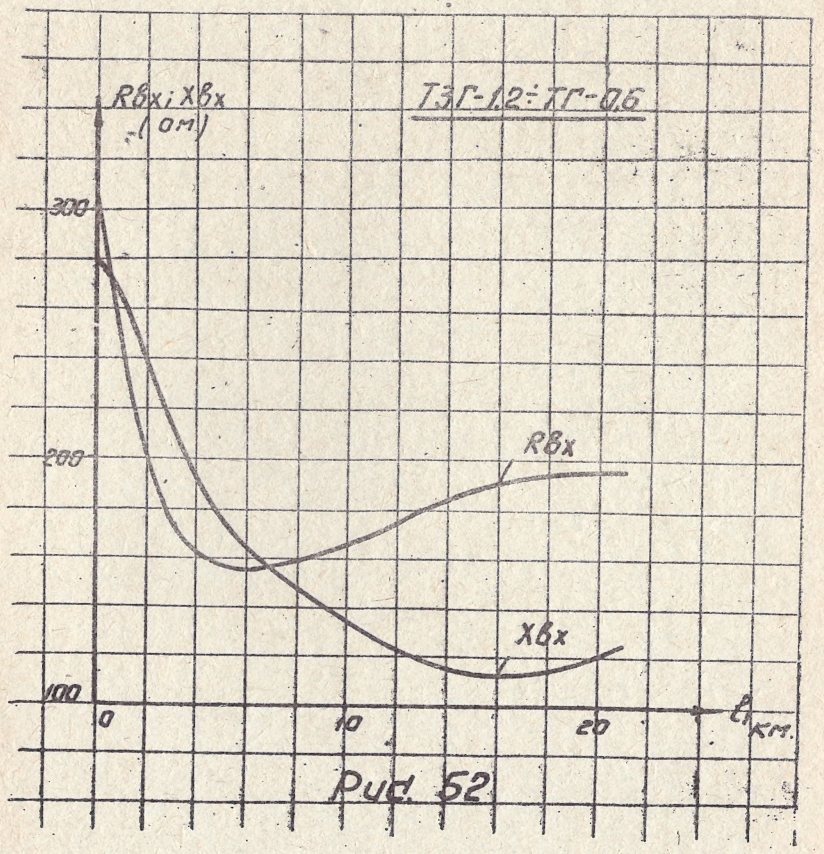

Rвх; Xвх
(ом)
ТЗГ-1,2÷ТГ-0,6
300
200
100
Rвх
Xвх
0
10
20
ℓ1 км.

Рис. 52

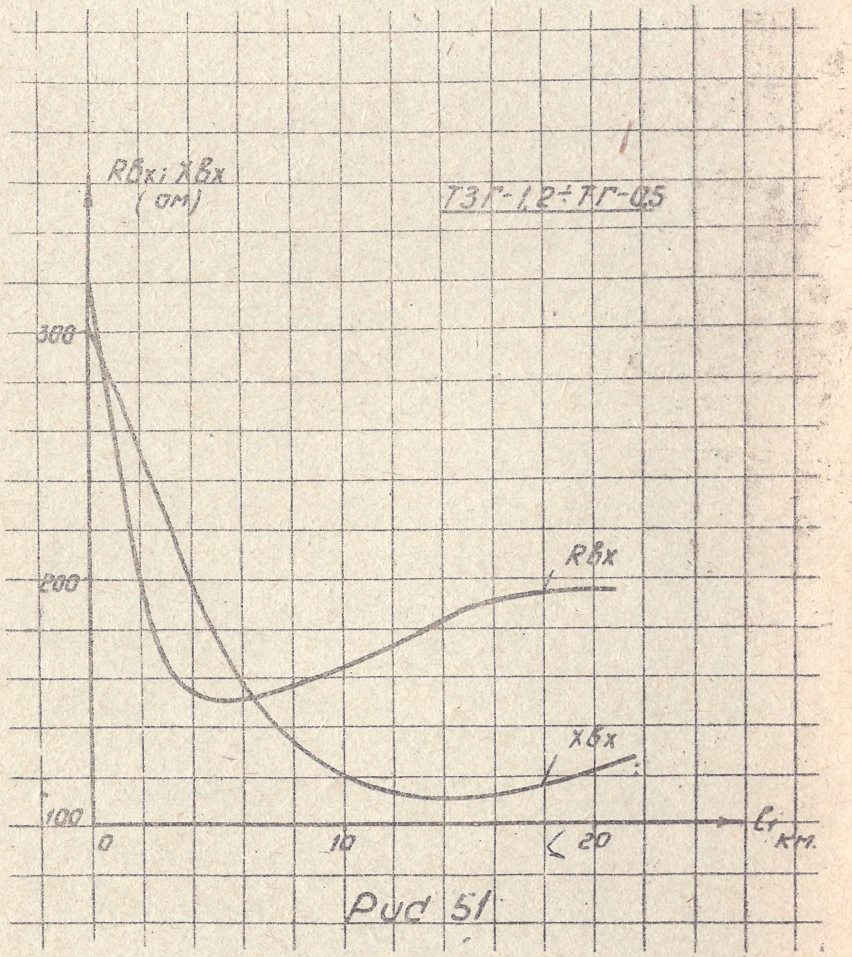

RВх; XВх
(ОМ)
ТЗГ-1,2÷ТГ-0,5
300
200
100
RВх
XВх
0
10
20
ℓ, км.

Рис 51

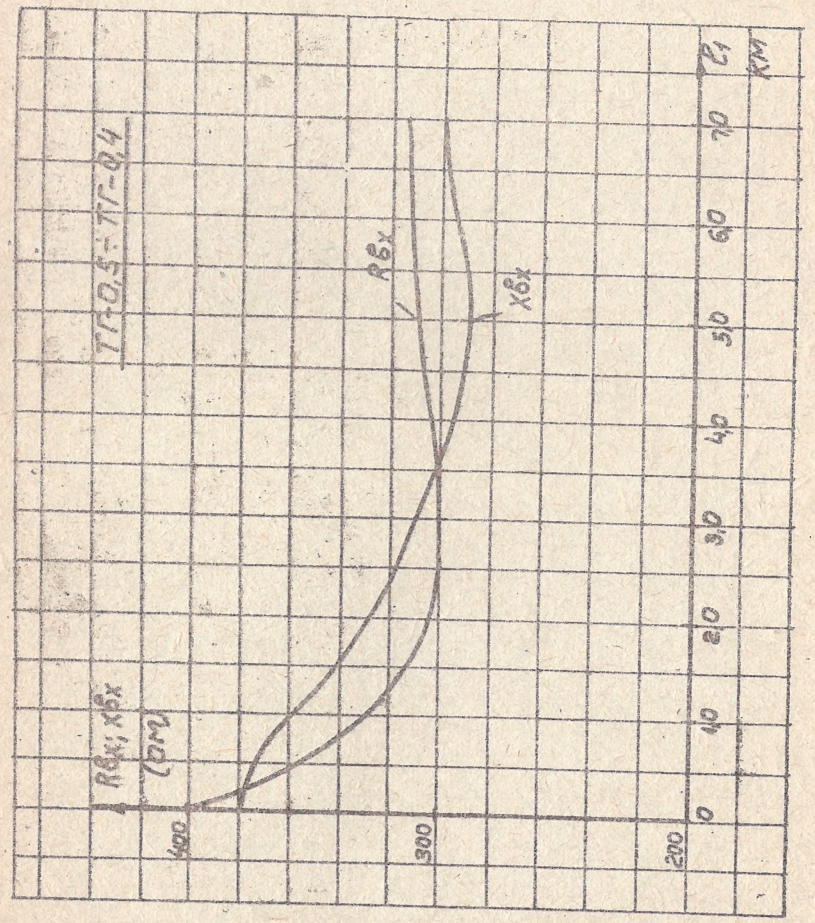

ТГ-0,5÷ТГ-0,4
RВх; XВх
(ОМ)
400
300
200
RВх
XВх
0
10
20
30
40
50
60
70
80
км

Рис. 8

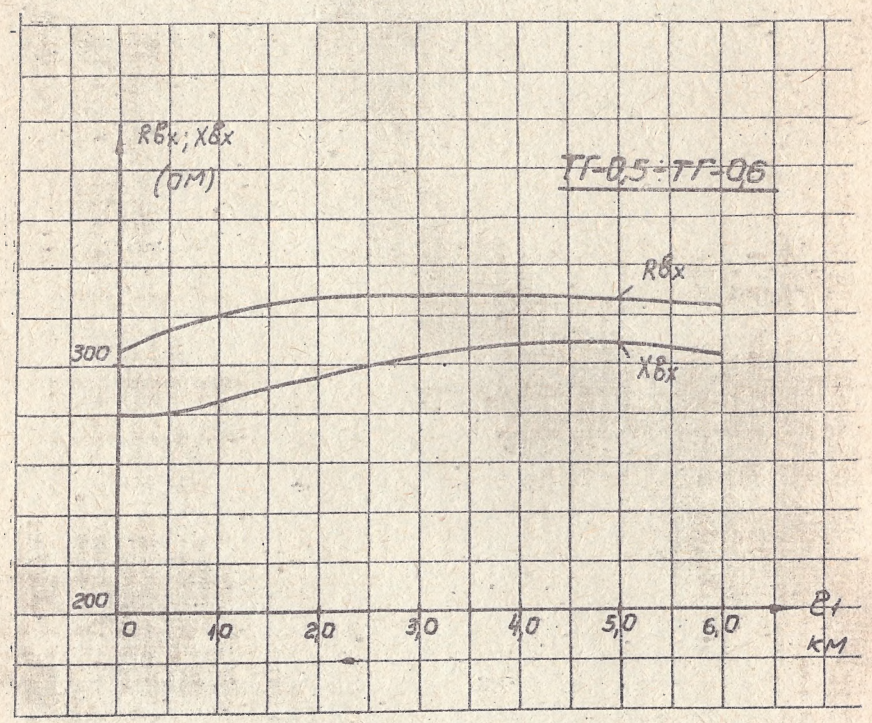

Rвх; Xвх
(ом)
ТГ-0,5÷ТГ-0,6
Rвх
Xвх
300
200
0
1,0
2,0
3,0
4,0
5,0
6,0
l1
км

Рис. 9

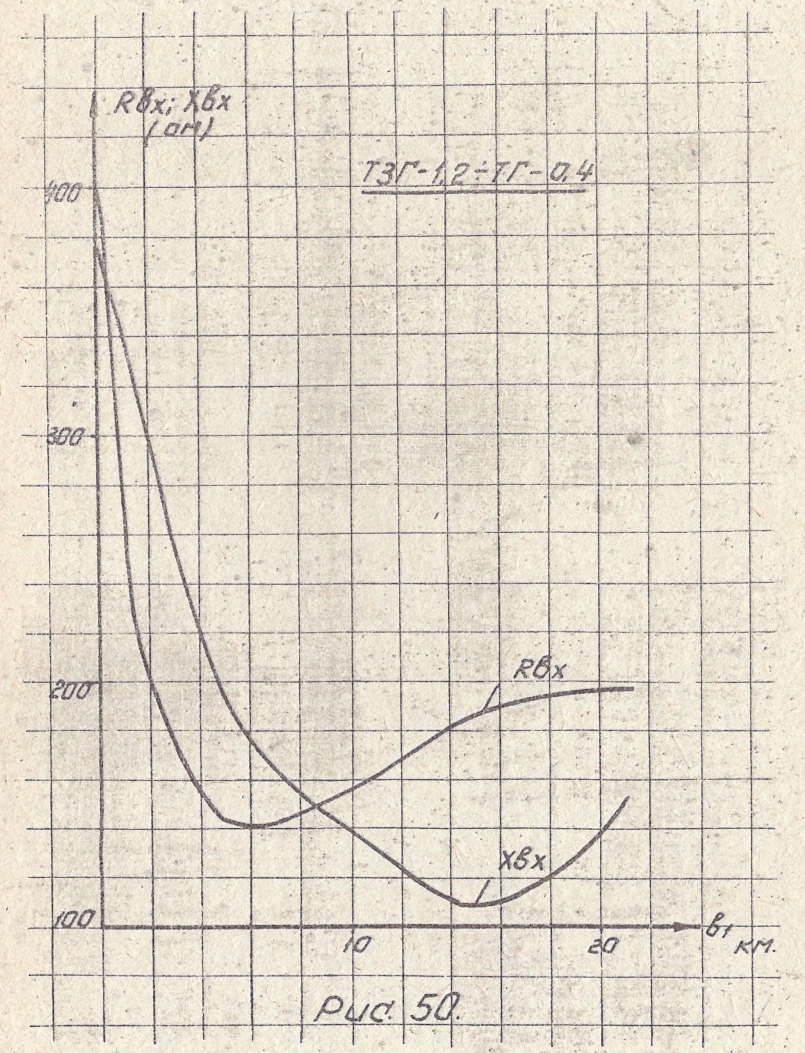

Rвх; Xвх
(ом)
ТЗГ-1,2÷ТГ-0,4
400
300
200
100
Rвх
Xвх
10
20
l1
км.

Рис. 50.

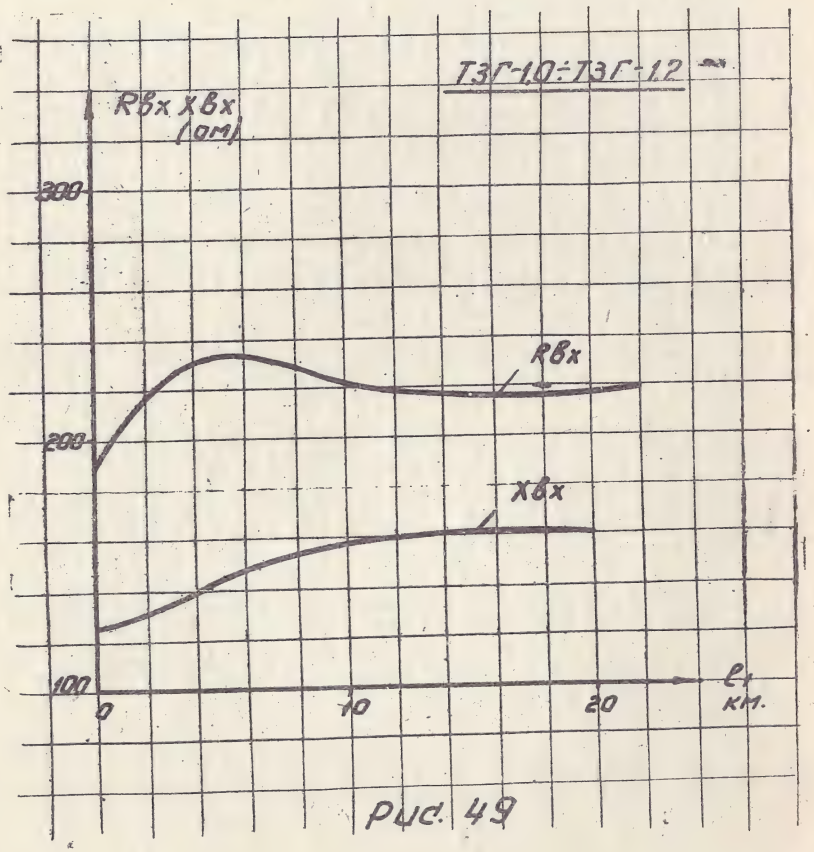

ТЗГ-1,0÷ТЗГ-1,2
Rвх Xвх
(ом)
300
200
100
Rвх
Xвх
0
10
20
ℓ,
км.

Рис. 49

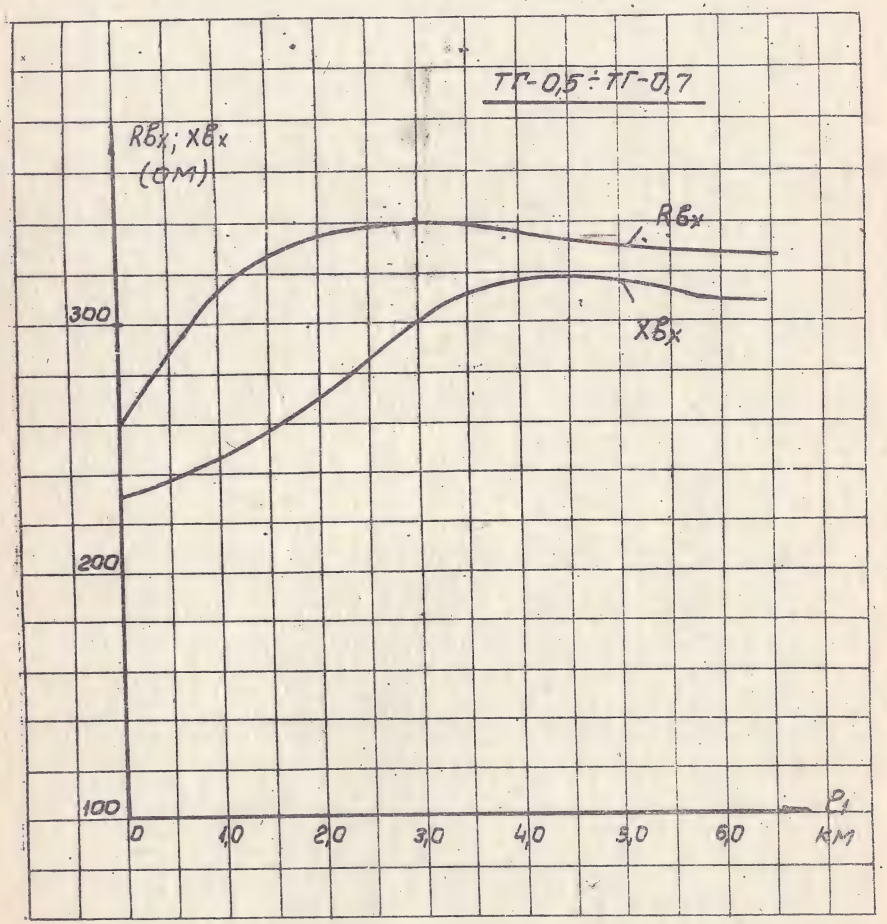

ТГ-0,5÷ТГ-0,7
Rвх; Xвх
(ом)
Rвх
Xвх
300
200
100
0
1,0
2,0
3,0
4,0
5,0
6,0
ℓ,
км

Рис. 10

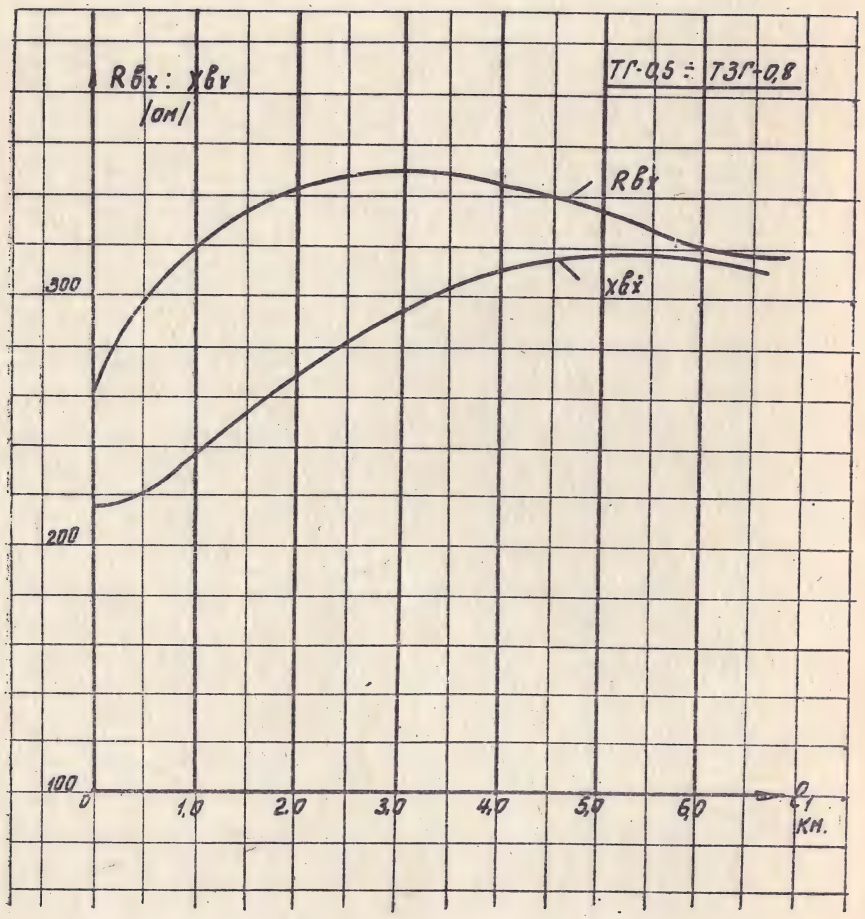

Rвх : Xвх
(ом)
ТГ-0,5 ÷ ТЗГ-0,8
Rвх
Xвх
300
200
100
0
1,0
2,0
3,0
4,0
5,0
6,0
ℓ1
км.

Рис 11

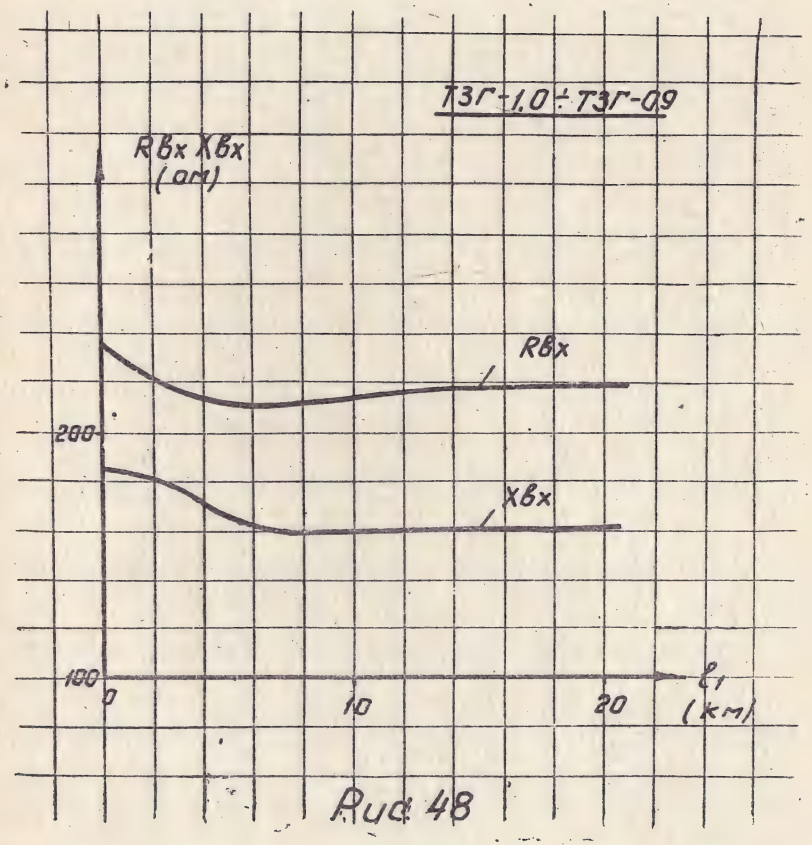

ТЗГ-1,0 ÷ ТЗГ-0,9
Rвх Xвх
(ом)
Rвх
Xвх
200
100
0
10
20
ℓ1
(км)

Рис 48

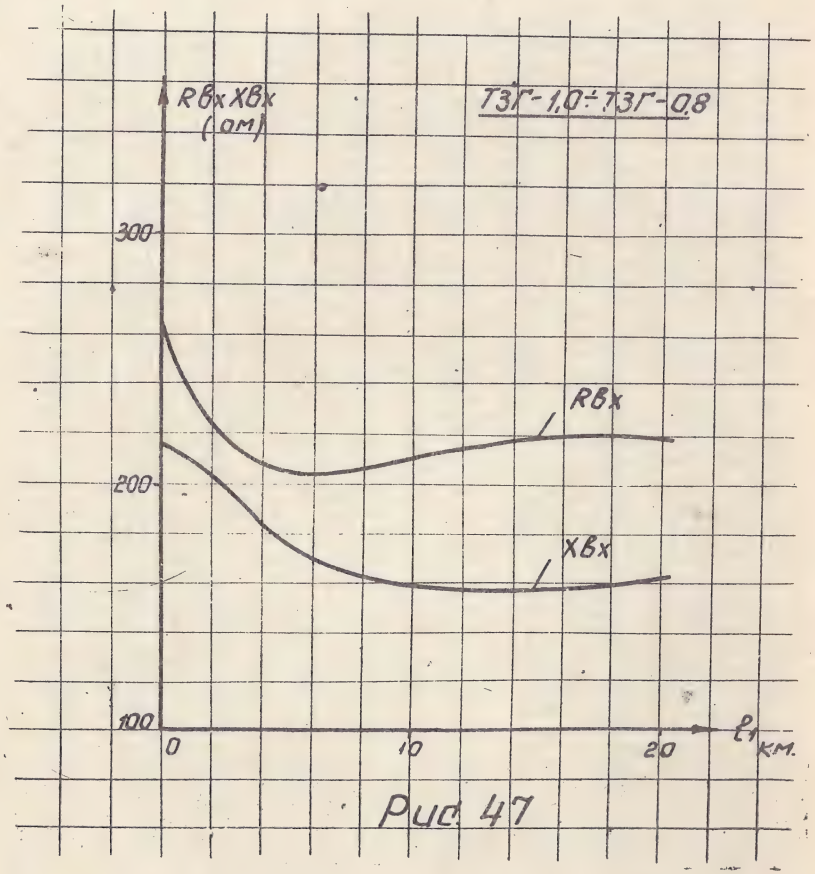

Rвх Xвх
(ом)
ТЗГ-1,0÷ТЗГ-0,8
300
200
100
Rвх
Xвх
0
10
20
ℓ1 км.

Рис. 47

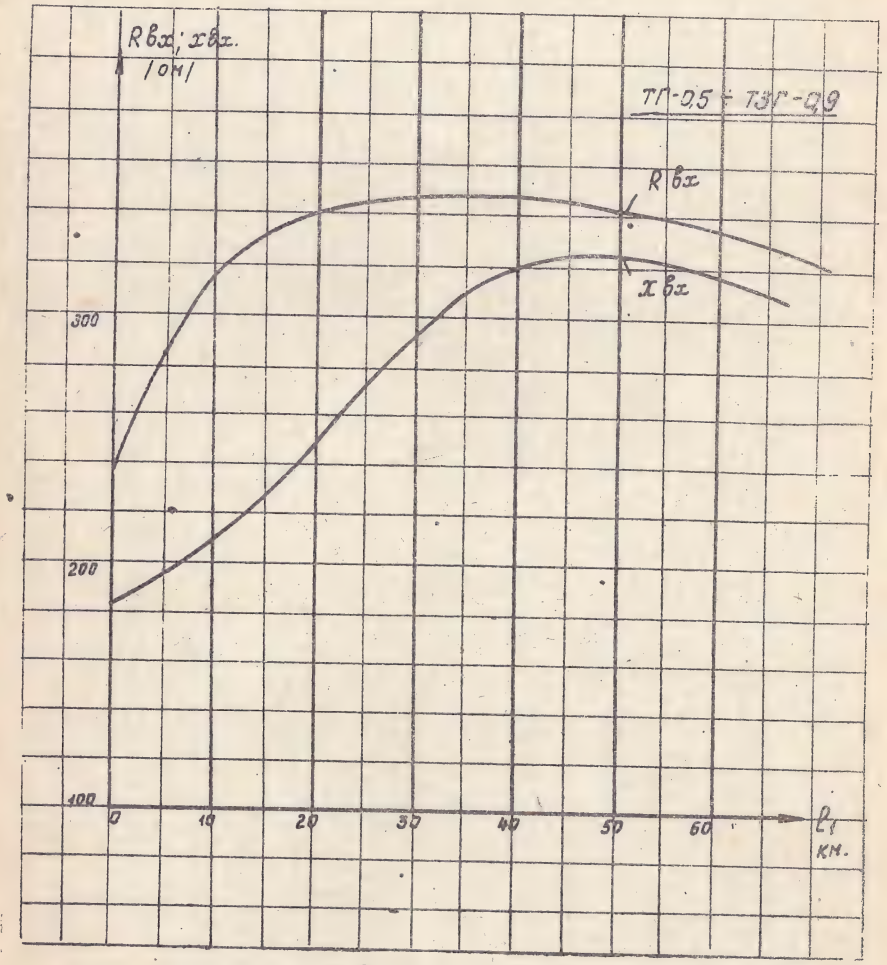

Rвх; xвх.
/ом/
ТГ-0,5 ÷ ТЗГ-0,9
Rвх
xвх
300
200
100
0
10
20
30
40
50
60
ℓ1
км.

Рис 12

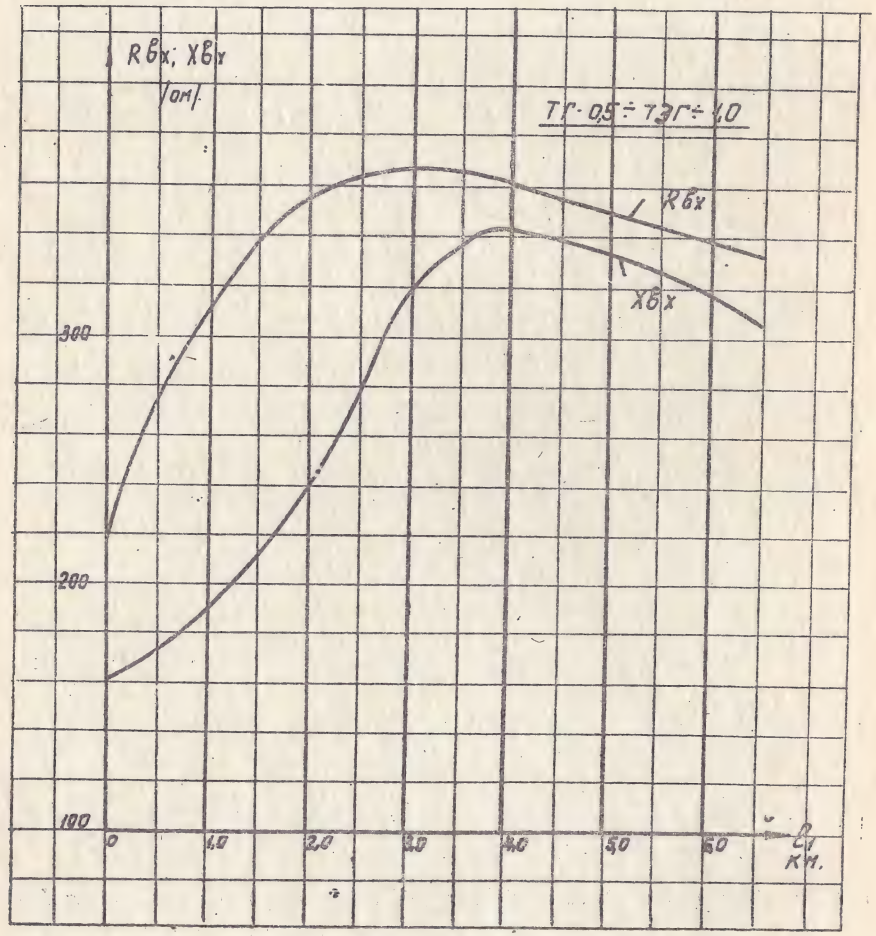

Rвх; Xвх
(ом)
ТГ-0,5÷ТЗГ÷1,0
Rвх
Xвх
300
200
100
0
1,0
2,0
3,0
4,0
5,0
6,0
l, км.

Рис 13

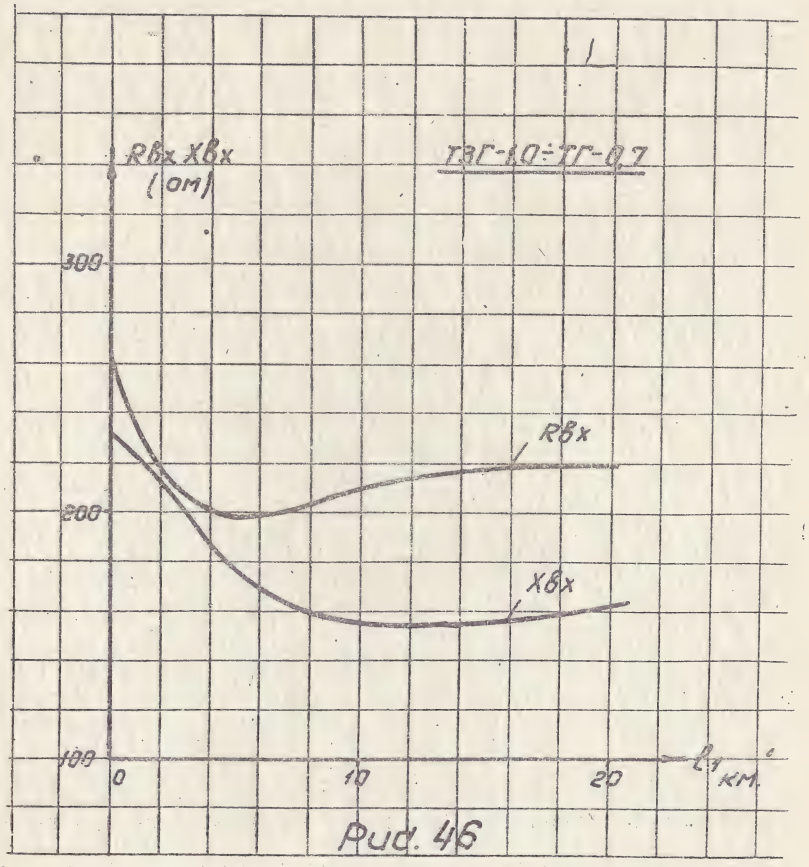

Rвх Xвх
(ом)
ТЗГ-1,0÷ТГ-0,7
Rвх
Xвх
300
200
100
0
10
20
l, км.

Рис. 46

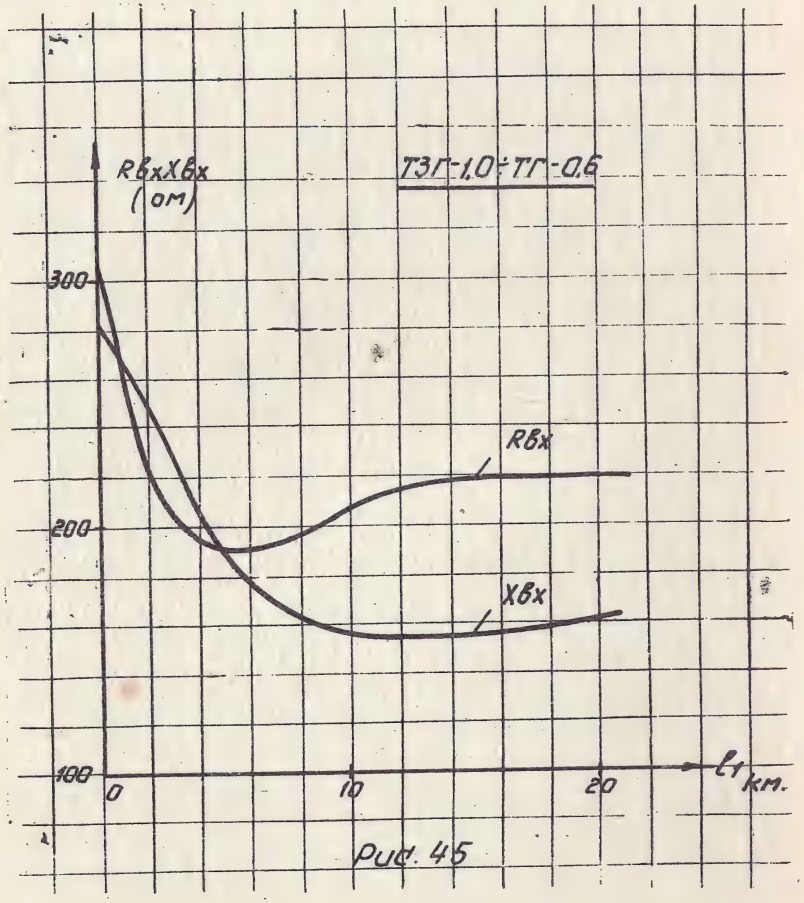

RвхXвх
(ом)
ТЗГ-1,0÷ТГ-0,6
300
200
100
Rвх
Xвх
0
10
20
ℓ1 км.

Рис. 45

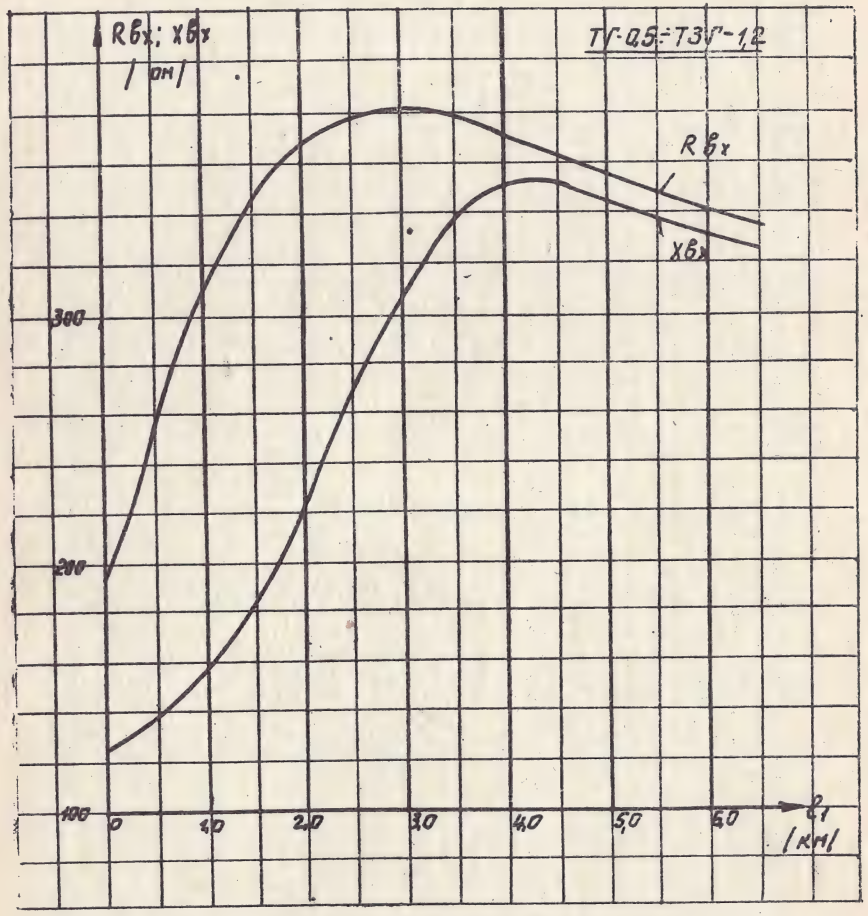

Rвх; Xвх
/ом/
ТГ-0,5÷ТЗГ-1,2
Rвх
Xвх
300
200
100
0
1,0
2,0
3,0
4,0
5,0
6,0
ℓ1
/км/

Рис. 14.

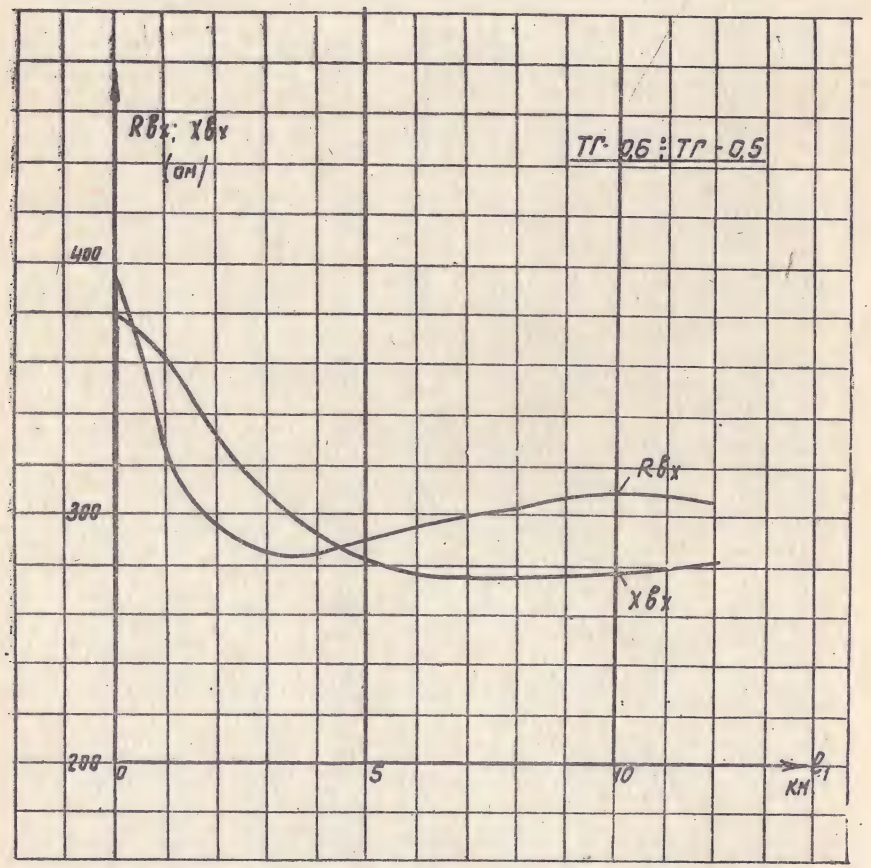

Rвх; Xвх
(ом)
ТГ-0,6 ÷ ТГ-0,5
400
300
200
0
5
10
l1
км
Rвх
Xвх

Рис. 15

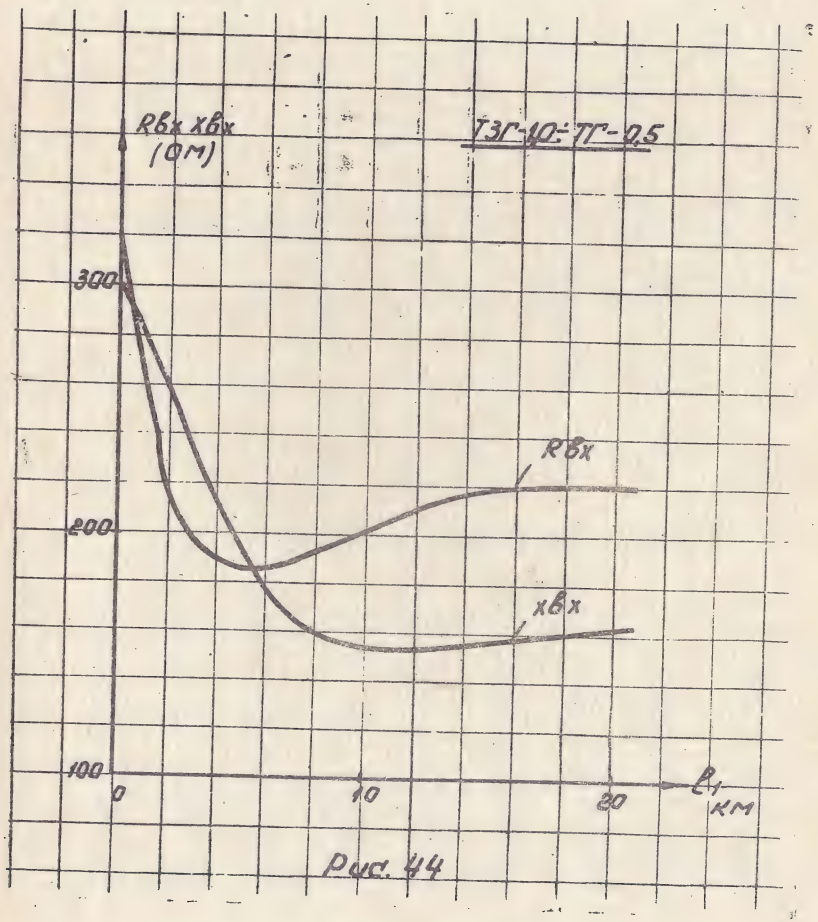

Rвх Xвх
(ом)
ТЗГ-10 ÷ ТГ-0,5
300
200
100
0
10
20
l1
км
Rвх
Xвх

Рис. 44

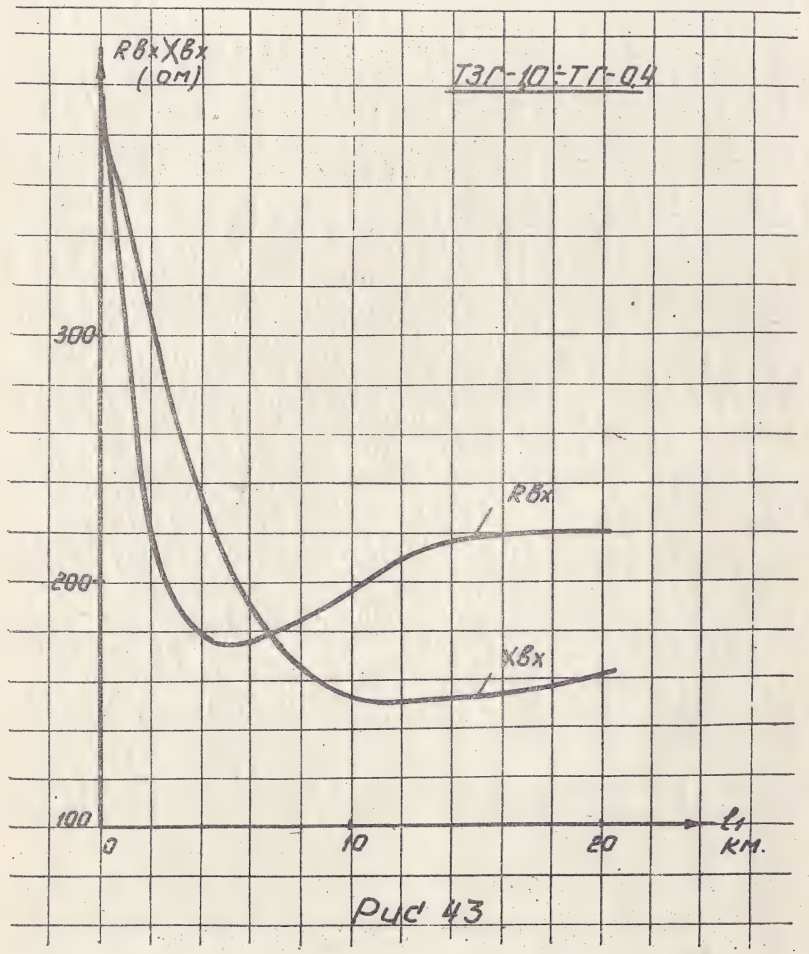

RвхXвх
(ом)
ТЗГ-1,0÷ТГ-0,4
300
200
100
Rвх
Xвх
0
10
20
ℓ1
км.

Рис 43

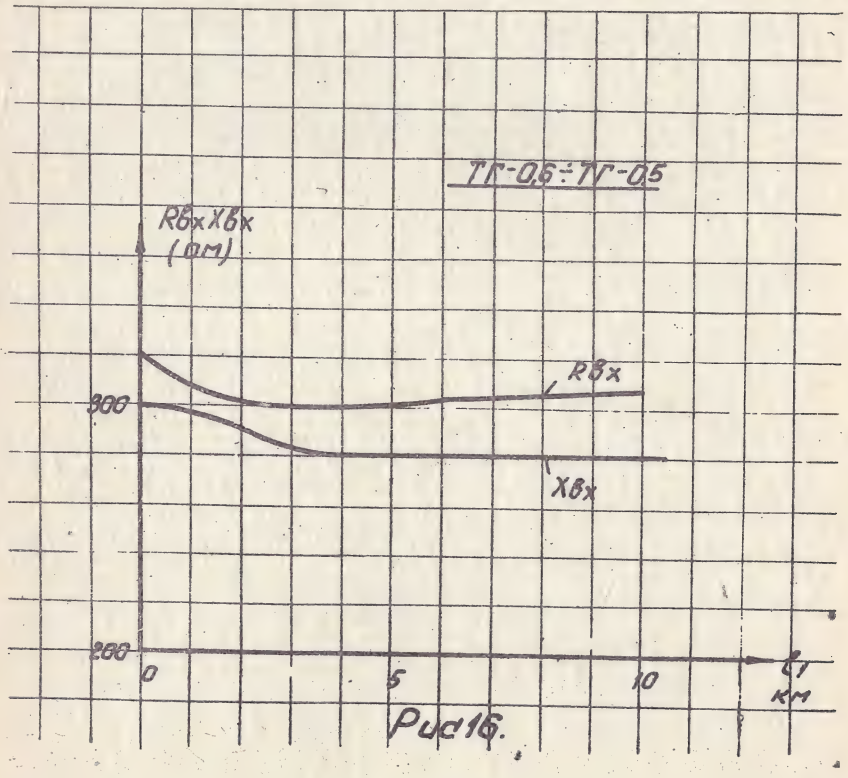

ТГ-0,6÷ТГ-0,5
RвхXвх
(ом)
Rвх
300
Xвх
200
0
5
10
ℓ1
км

Рис16.

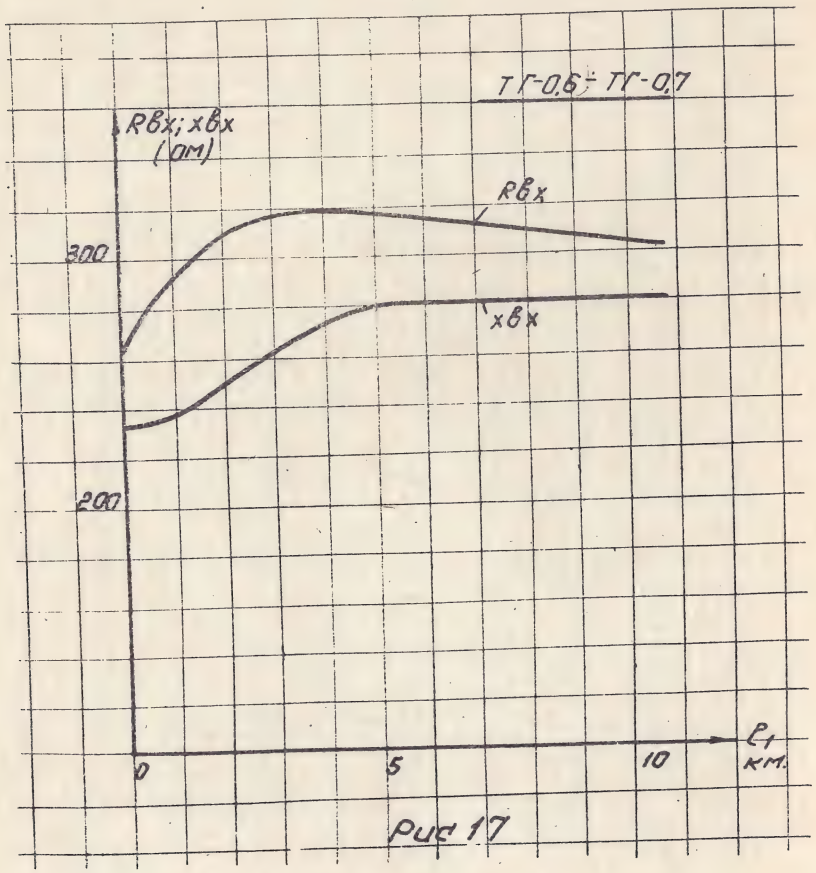

ТГ-0,6÷ТГ-0,7
Rвх; xвх
(ом)
Rвх
xвх
300
200
0
5
10
ℓ, км.

Рис 17

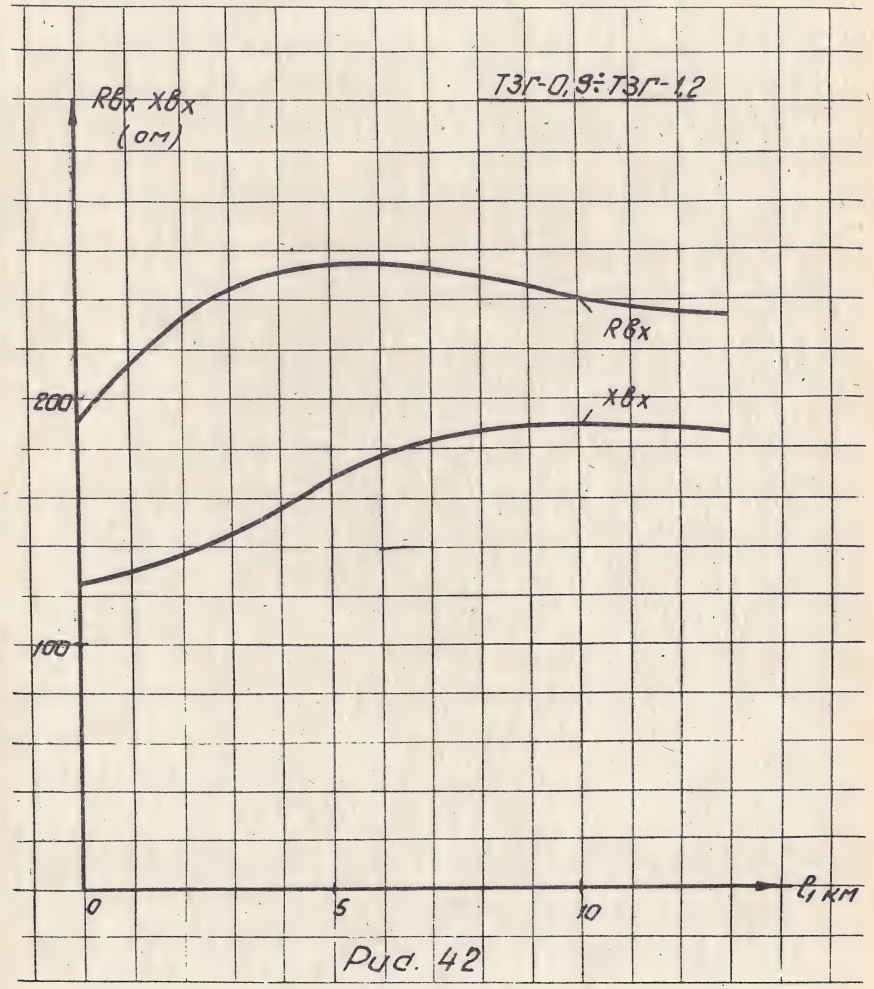

ТЗГ-0,9÷ТЗГ-1,2
Rвх xвх
(ом)
Rвх
xвх
200
100
0
5
10
ℓ, км

Рис. 42

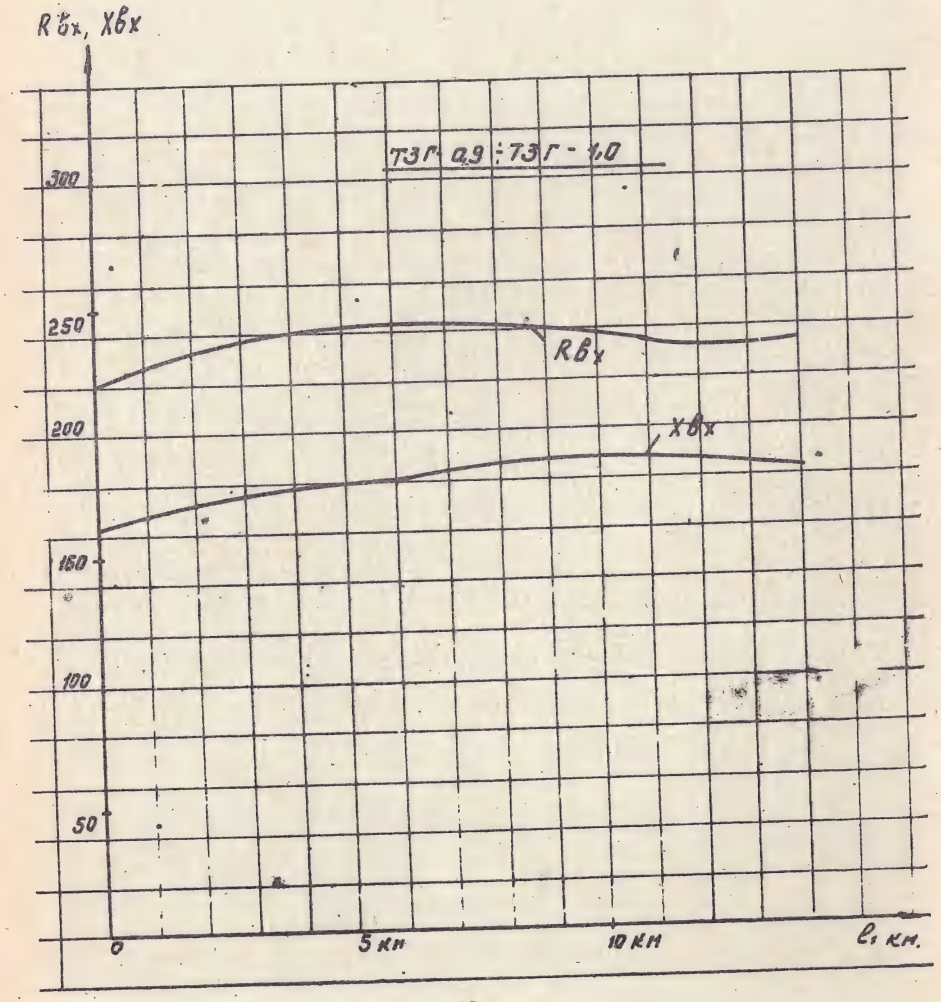

Rвх, Xвх
ТЗГ-0,9 ÷ ТЗГ-1,0
300
250
200
150
100
50
Rвх
Xвх
0
5 км
10 км
l, км.

Рис. 41

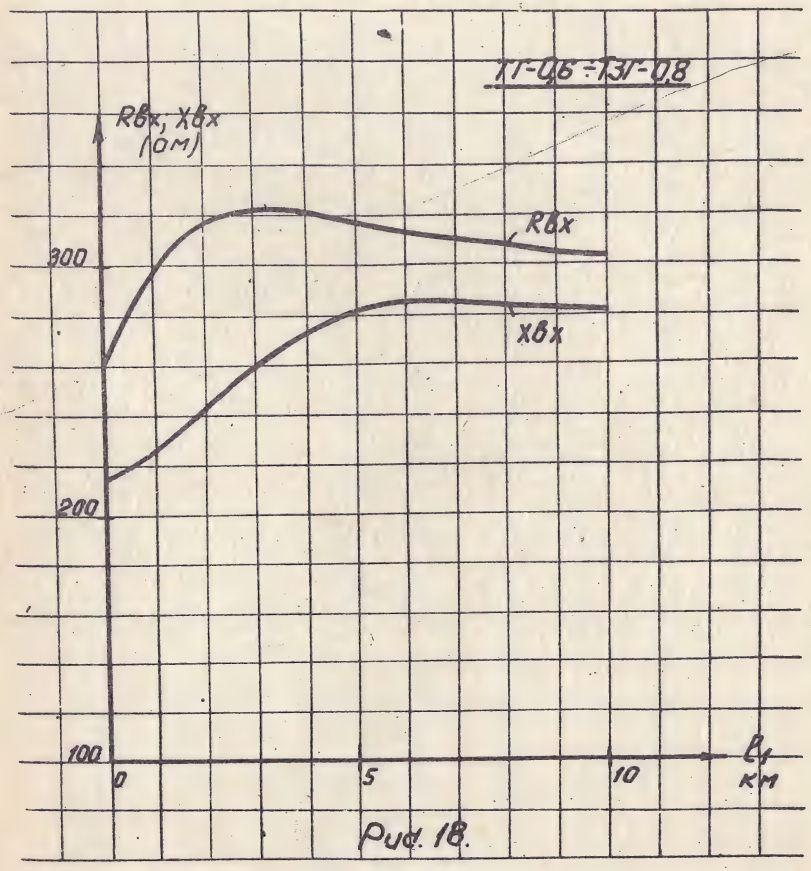

ТГ-0,6 ÷ ТЗГ-0,8
Rвх, Xвх
(ом)
Rвх
Xвх
300
200
100
0
5
10
l,
км

Рис. 18.

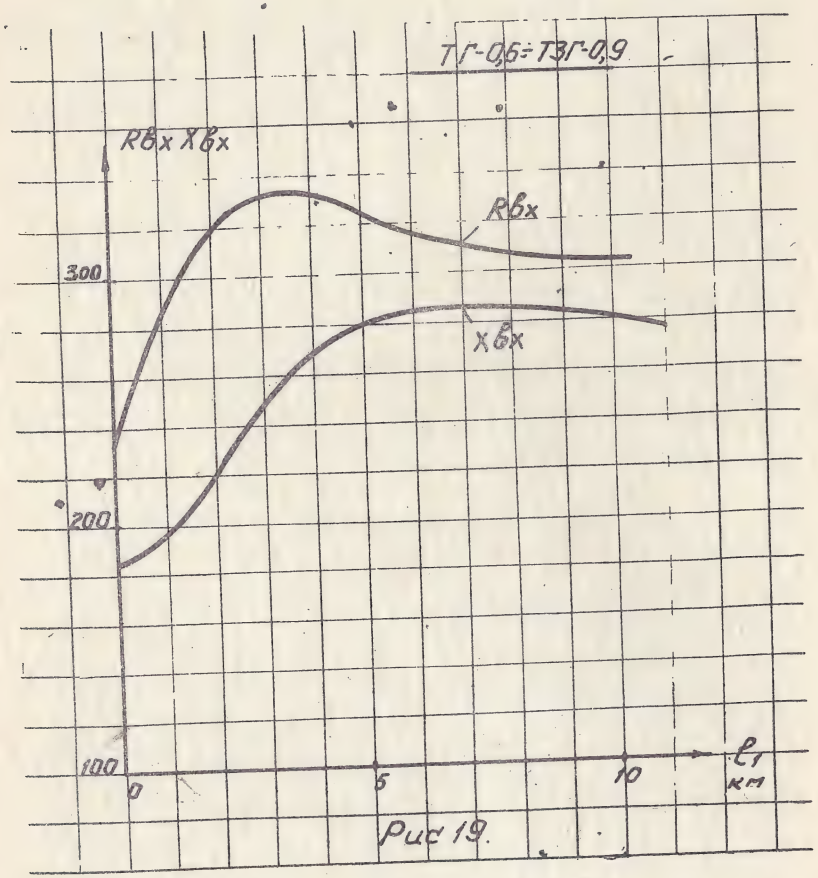

ТГ-0,6=ТЗГ-0,9
Rвх Xвх
Rвх
Xвх
300
200
100
0
5
10
ℓ1
км

Рис 19.

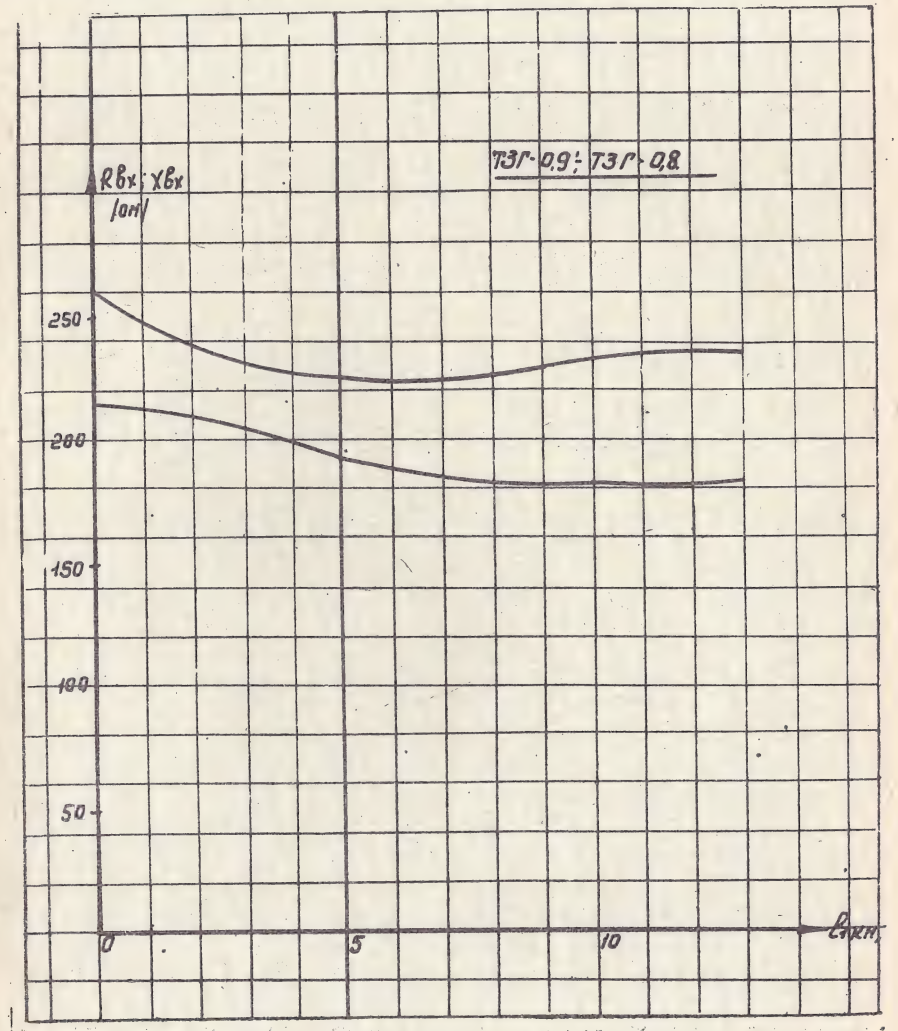

Rвх; Xвх
/ом/
ТЗГ-0,9; ТЗГ-0,8
250
200
150
100
50
0
5
10
ℓ1км

Рис. 40

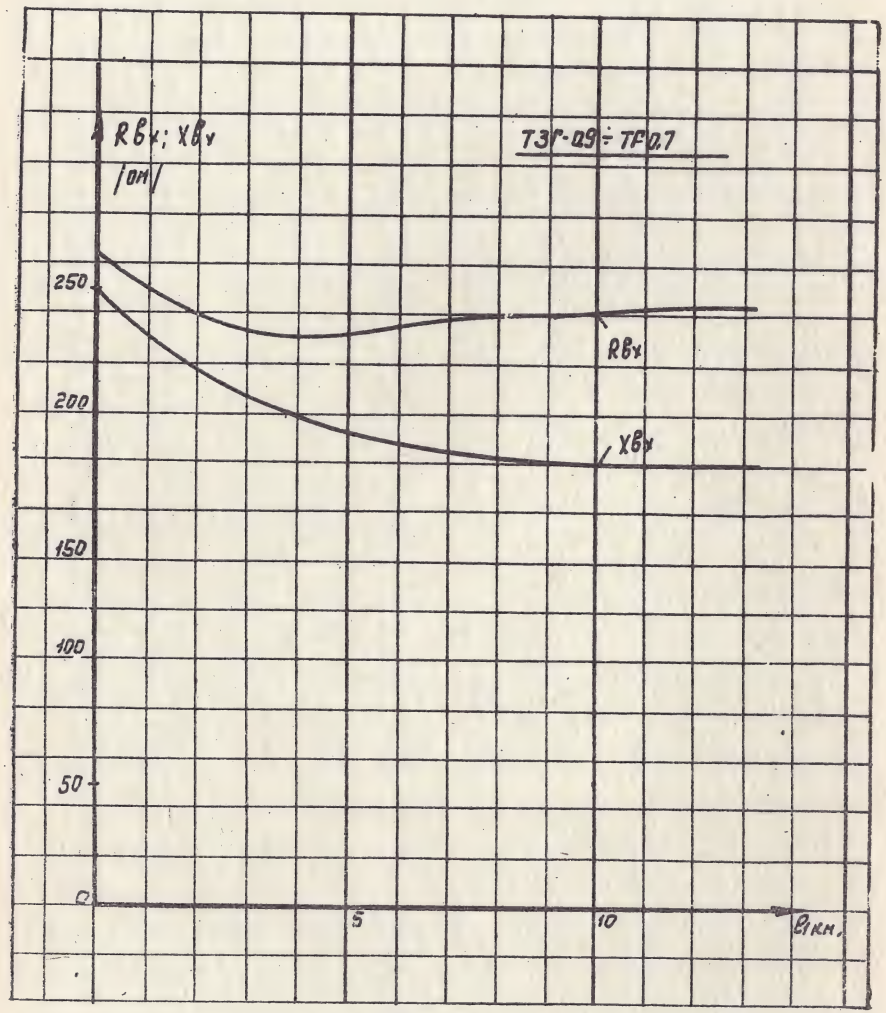

Rвх; Xвх
/ом/
ТЗГ-0,9 ÷ ТГ-0,7
250
200
150
100
50
0
5
10
l, км
Rвх
Xвх

Рис. 39

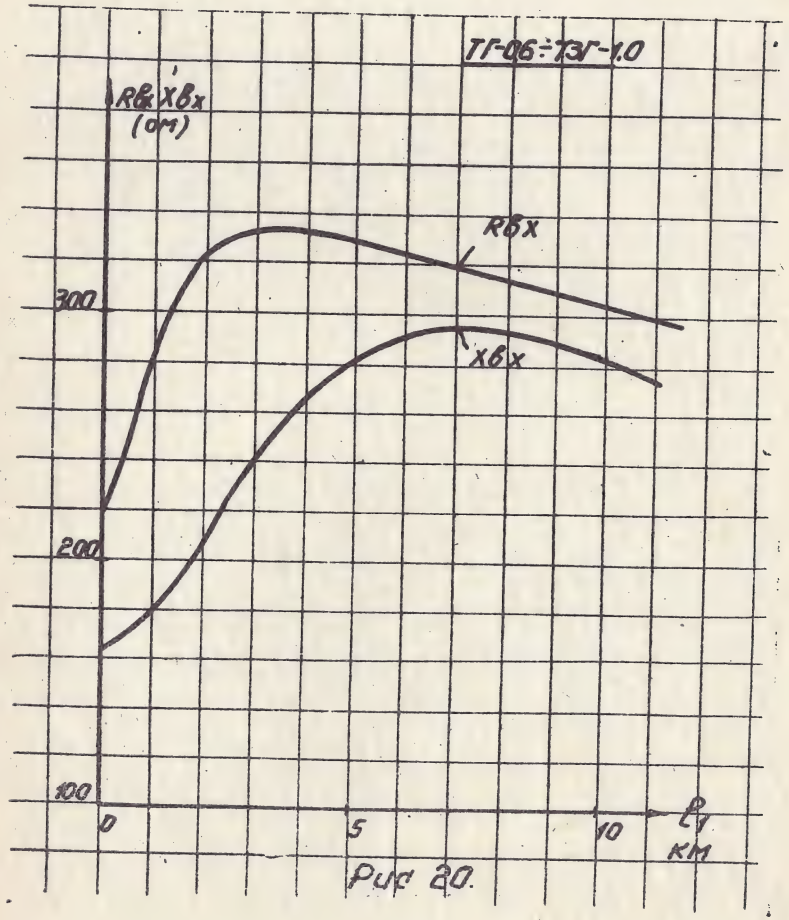

ТГ-0,6 ÷ ТЗГ-1,0
Rвх Xвх
(ом)
300
200
100
0
5
10
l, км
Rвх
Xвх

Рис 20.

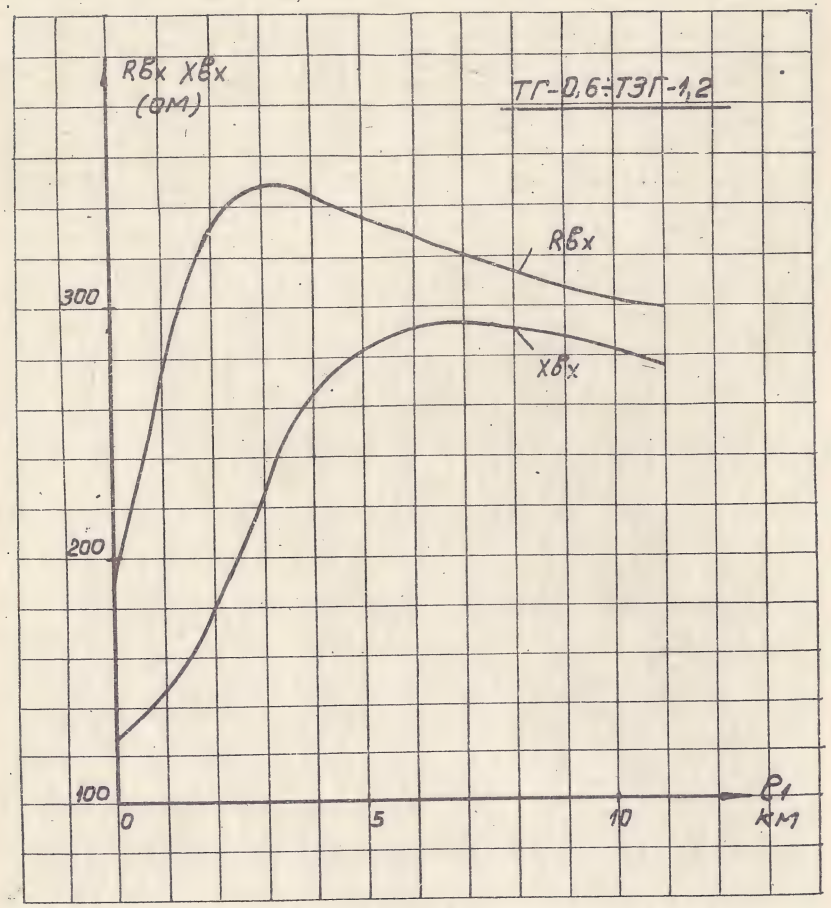

RВх XВх
(ом)
ТГ-0,6÷ТЗГ-1,2
RВх
XВх
300
200
100
0
5
10
ℓ1
км

Рис.21

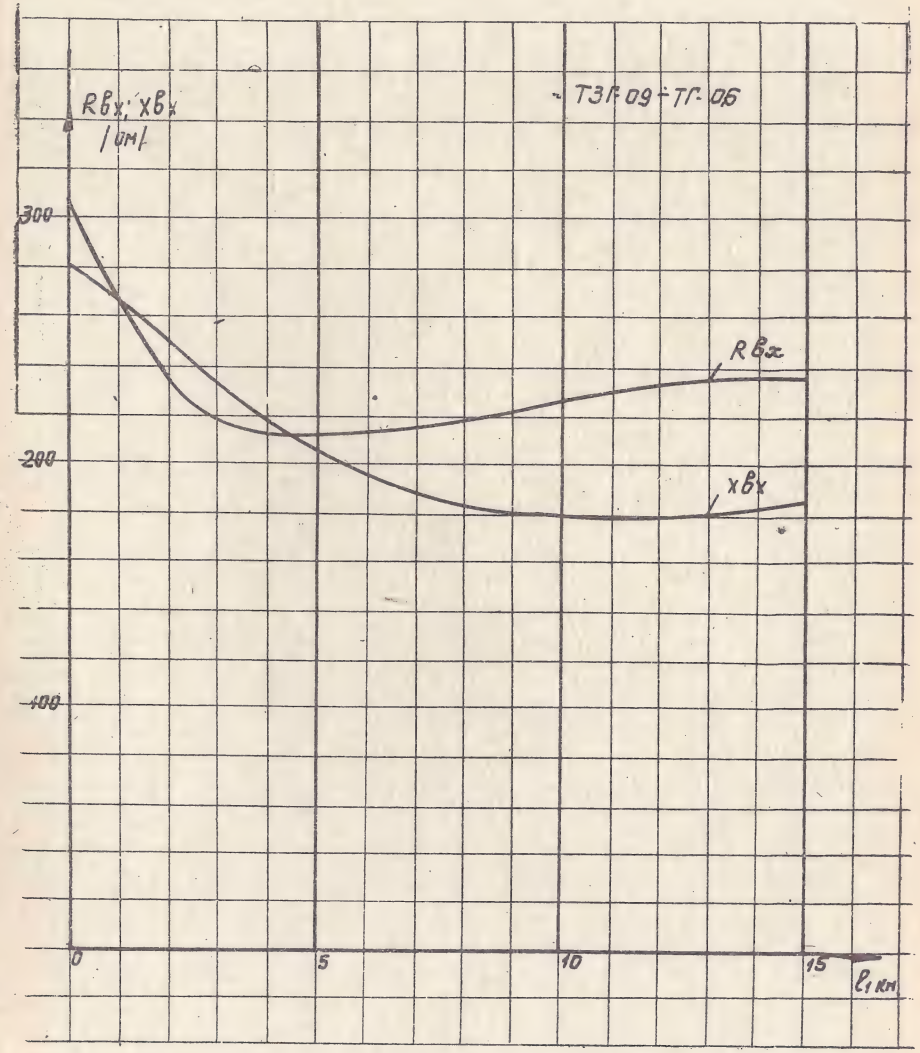

RВх; XВх
/ом/
ТЗГ-09÷ТГ-06
RВх
XВх
300
200
100
0
5
10
15
ℓ1 км

Рис 38

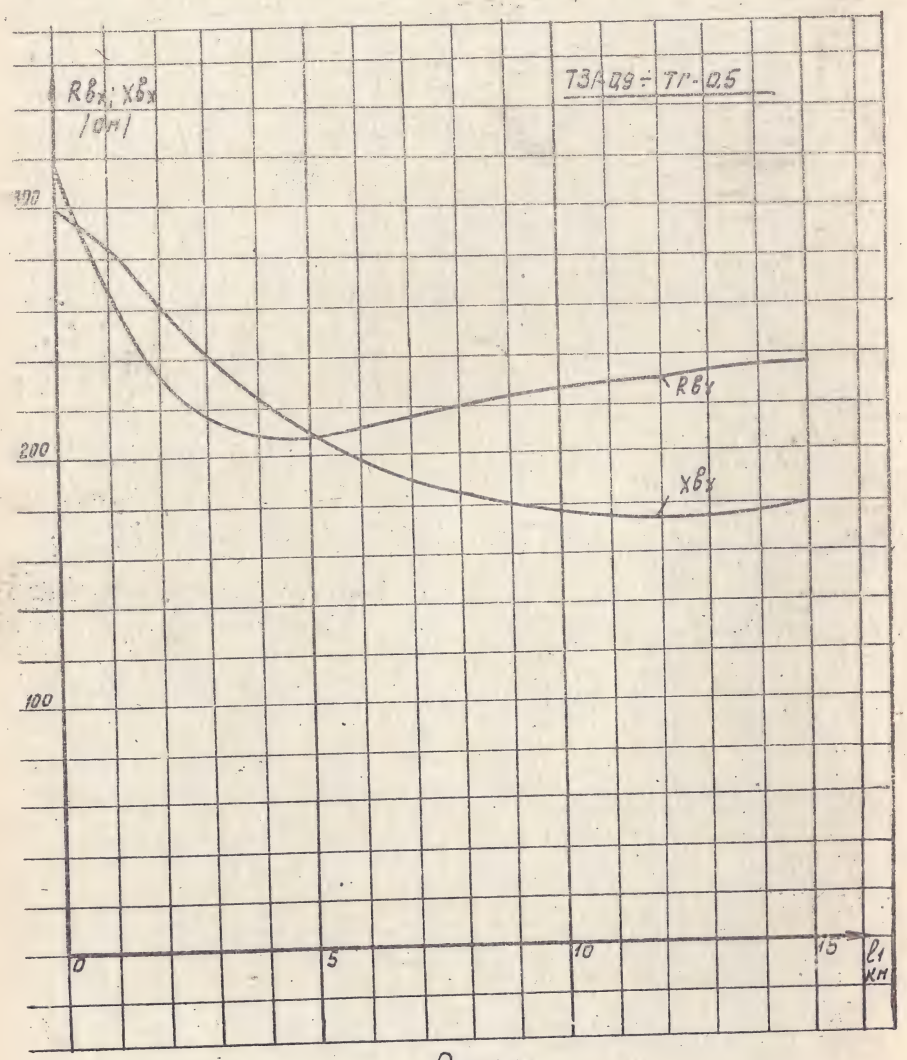

Rвх; Xвх
(Ом)
ТЗАЦ9 ÷ ТГ-0,5
300
200
100
Rвх
Xвх
0
5
10
15
l1
км

Рис.37

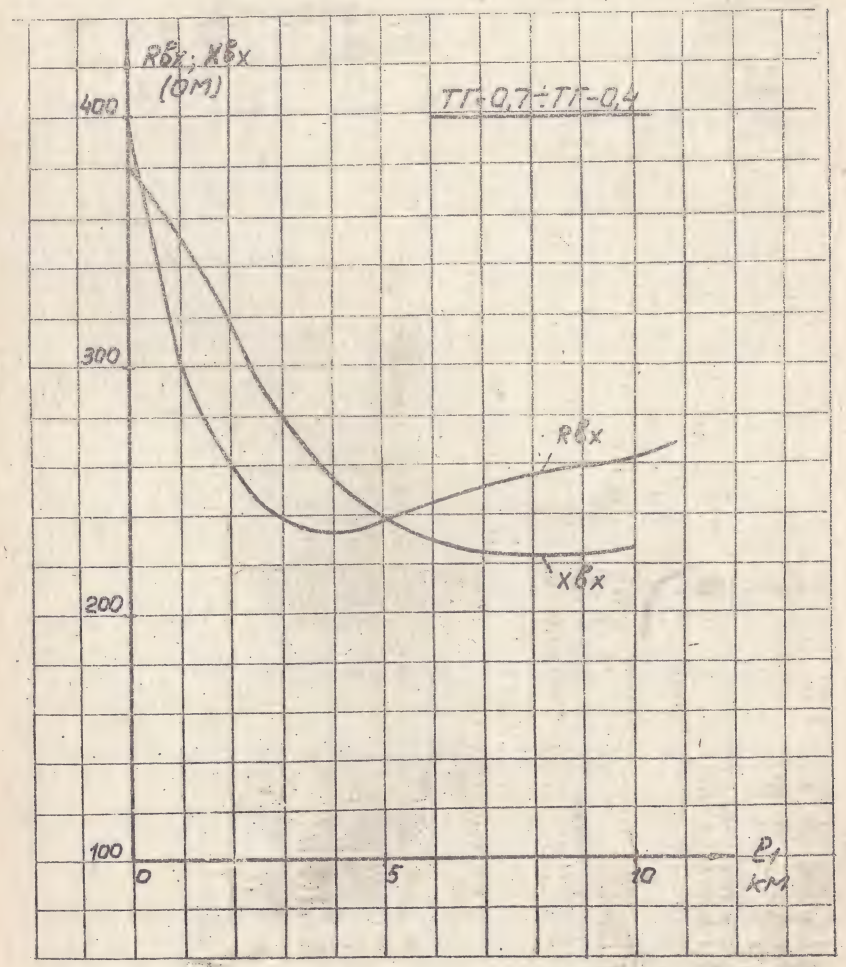

Rвх; Xвх
(Ом)
ТГ-0,7 ÷ ТГ-0,4
400
300
200
100
Rвх
Xвх
0
5
10
l1
км

Рис. 22

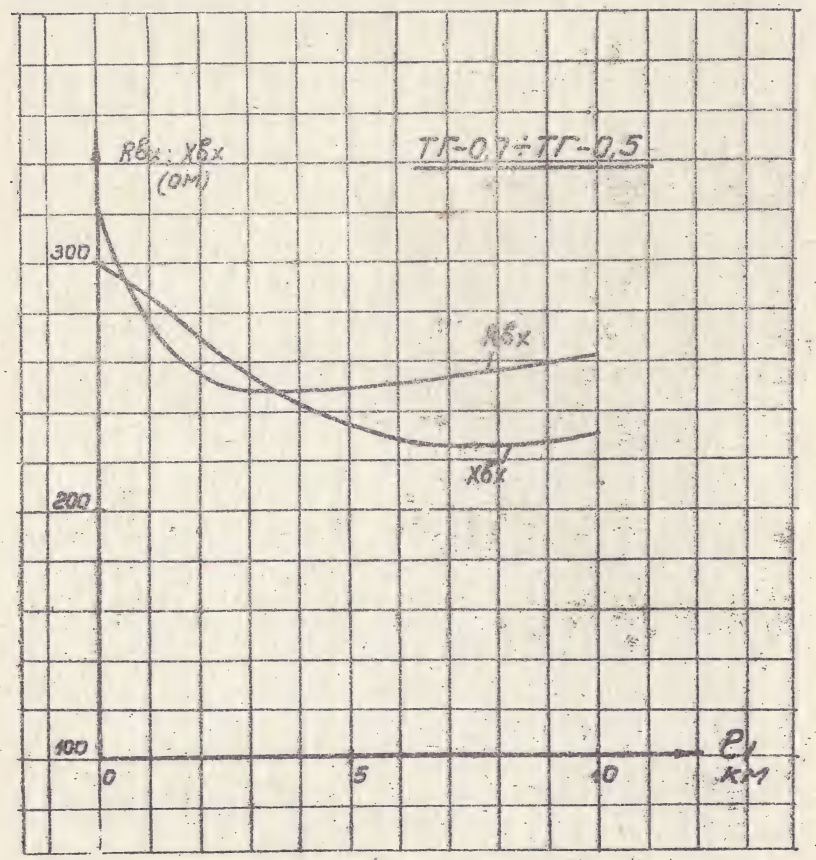

Rвх; Xвх
(ом)
ТГ-0,7÷ТГ-0,5
300
200
100
Rвх
Xвх
0
5
10
l
км

Рис. 23

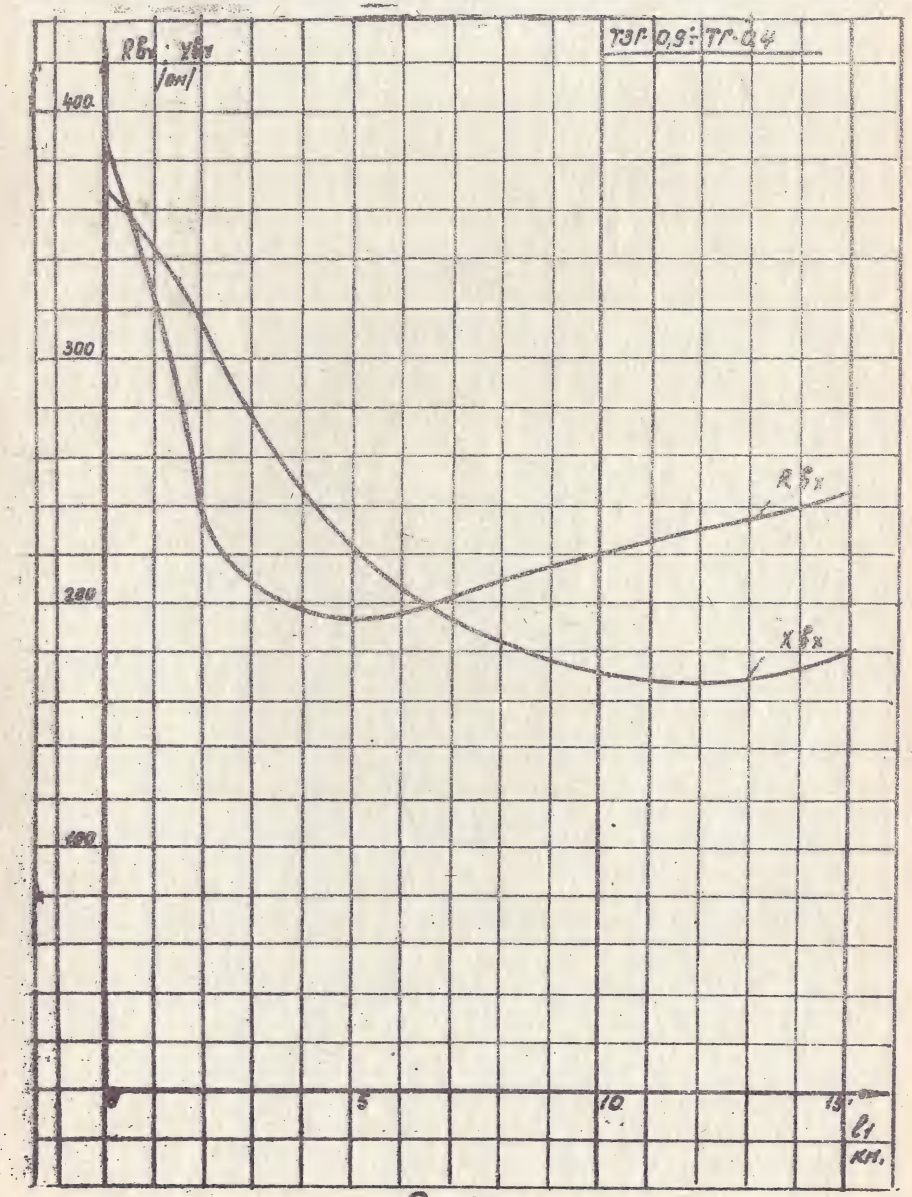

Rвх; Xвх
(ом)
ТЭГ-0,9÷ТГ-0,4
400
300
200
100
Rвх
Xвх
0
5
10
15
l
км.

Рис.36

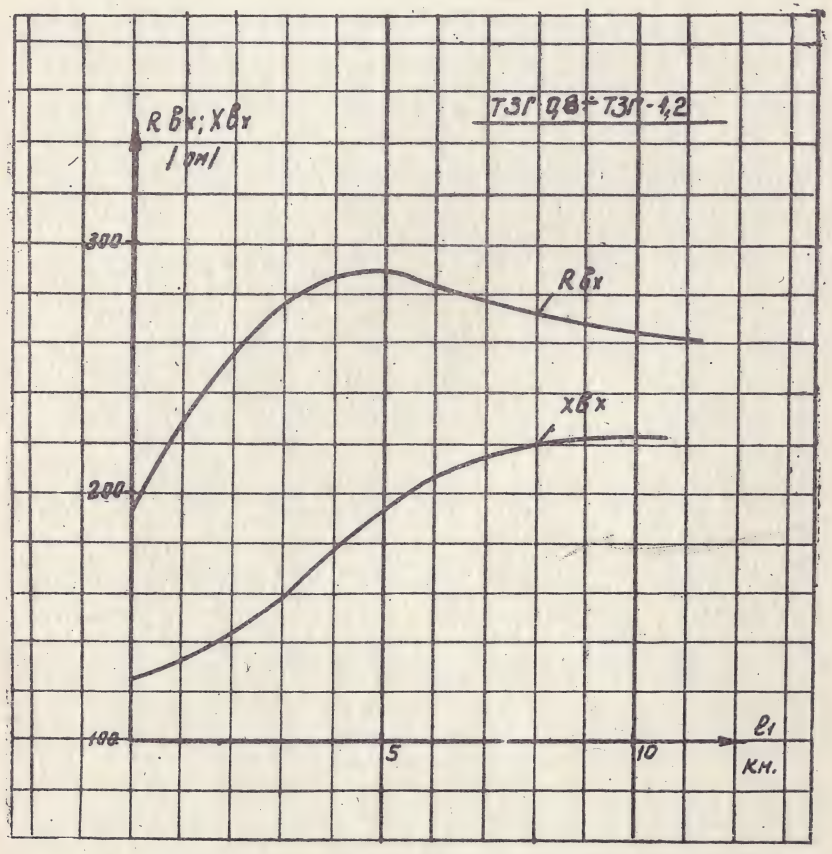

RВх; XВх
/ом/
ТЗГ 0,8 ÷ ТЗГ-1,2
300
200
100
RВх
XВх
5
10
ℓ1
км.

Рис 35

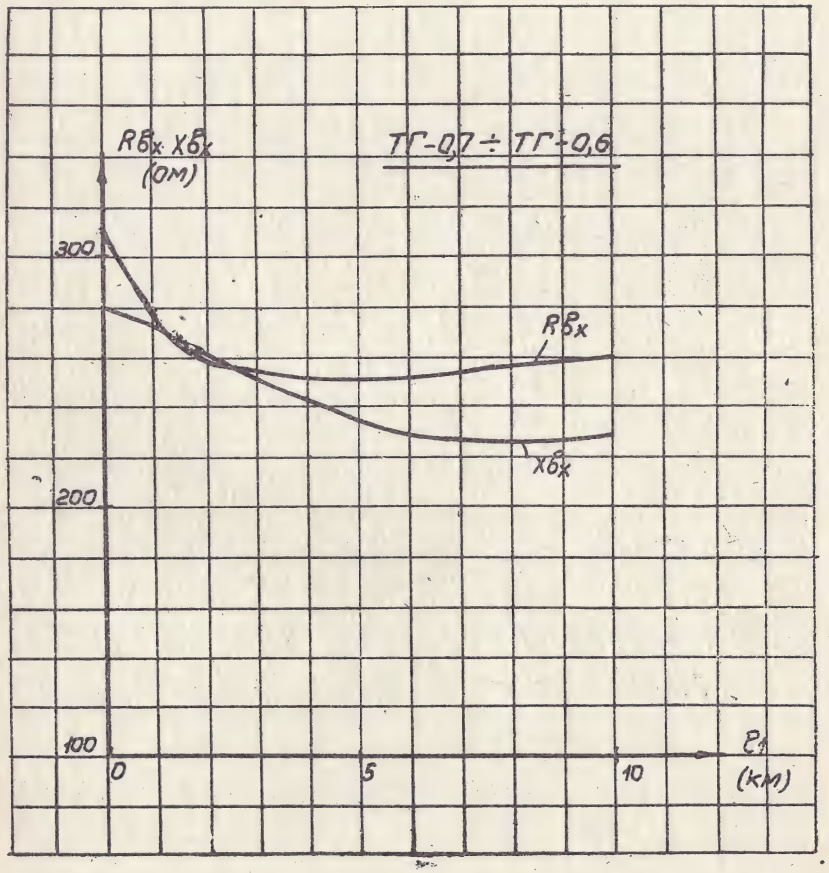

RВх XВх
(ом)
ТГ-0,7 ÷ ТГ-0,6
300
200
100
RВх
XВх
0
5
10
ℓ1
(км)

Рис. 24

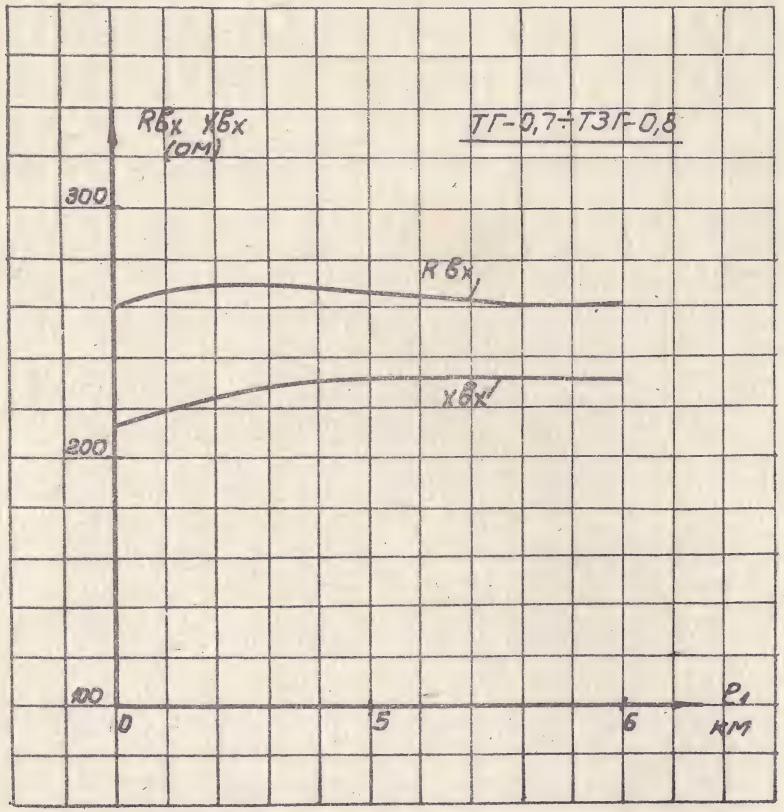

Rвх Xвх
(ом)
ТГ-0,7÷ТЗГ-0,8
300
200
100
Rвх
Xвх
0
5
6
Pi
км

Рис. 25

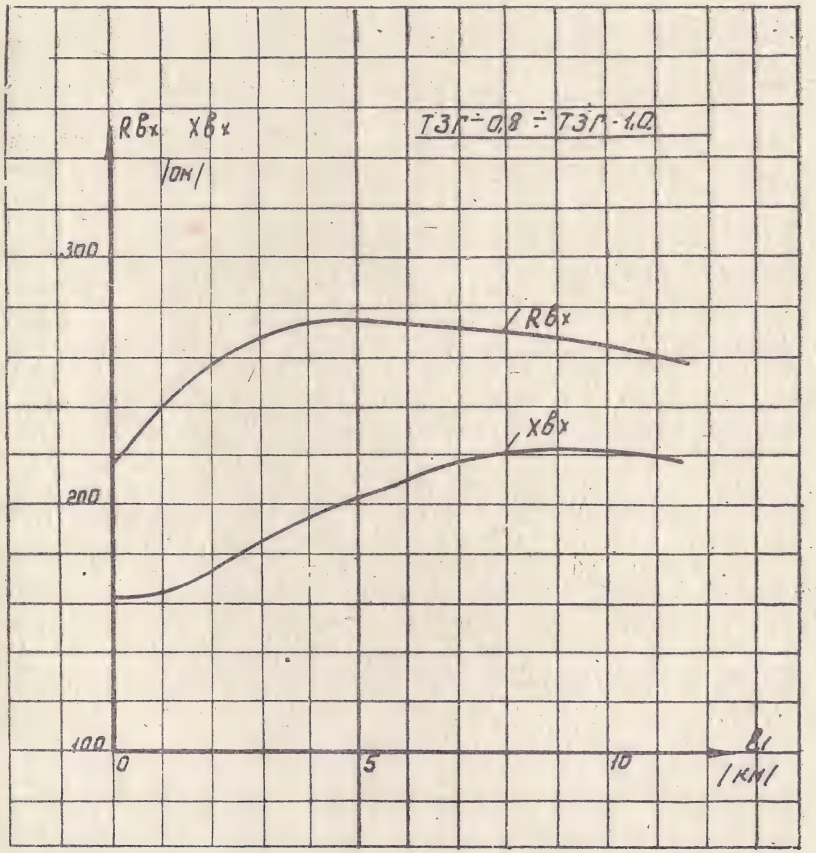

Rвх Xвх
/ом/
ТЗГ-0,8 ÷ ТЗГ-1,0
300
200
100
Rвх
Xвх
0
5
10
Pi
/км/

Рис 34

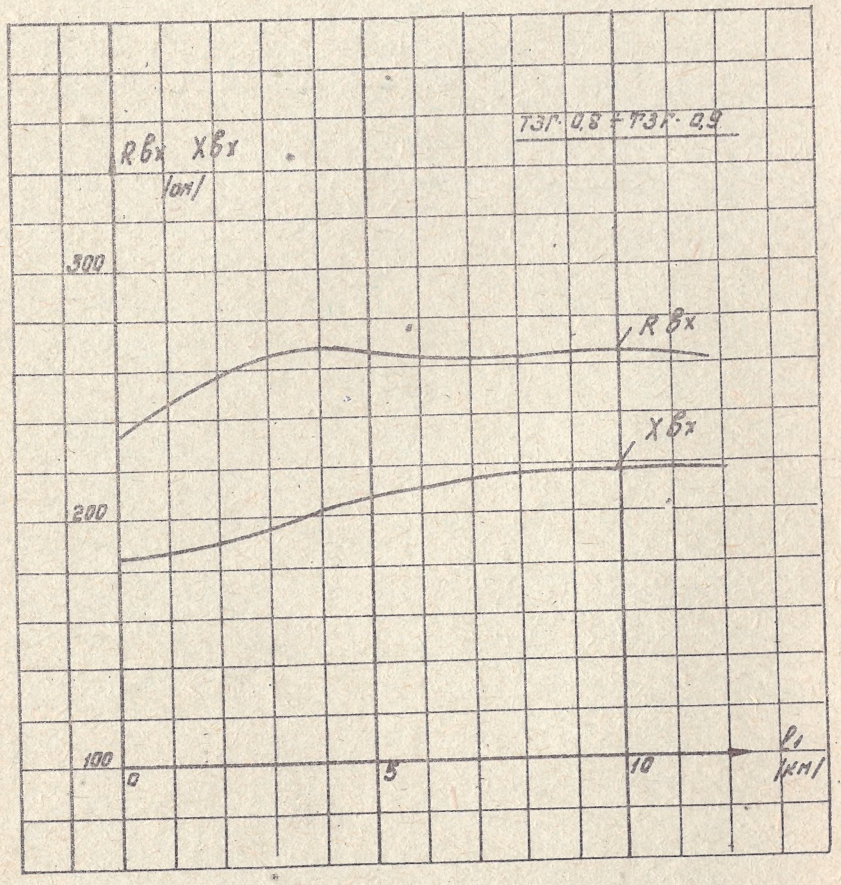

RВх XВх
(ом)
ТЗГ-0,8 ÷ ТЗГ-0,9
300
200
100
RВх
XВх
0
5
10
ℓ1
(км)

Рис 33

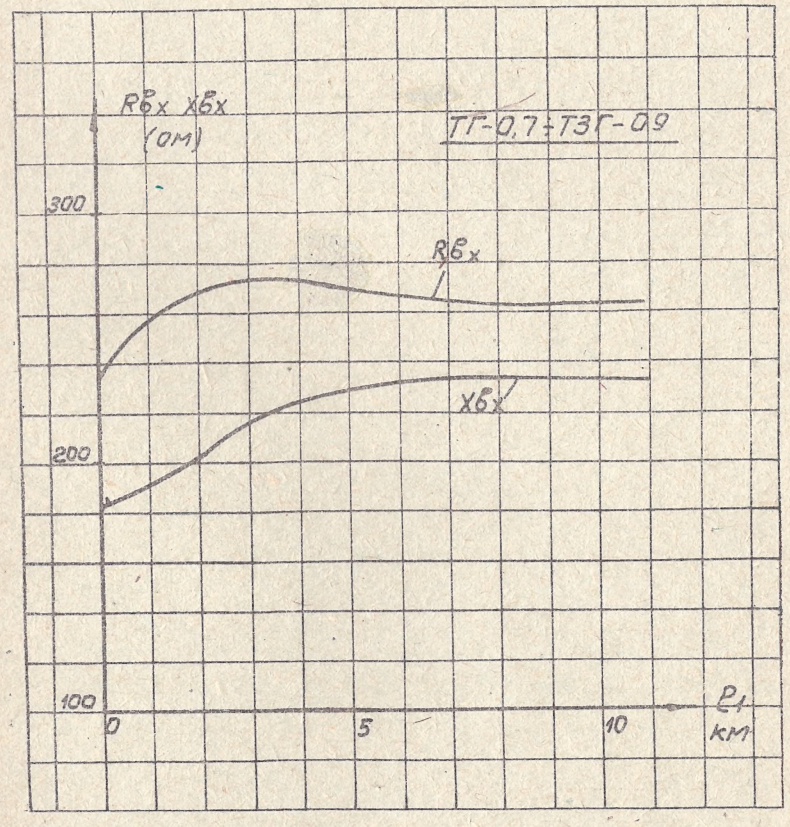

RВх XВх
(ом)
ТГ-0,7 ÷ ТЗГ-0,9
300
200
100
RВх
XВх
0
5
10
ℓ1
км

Рис.26

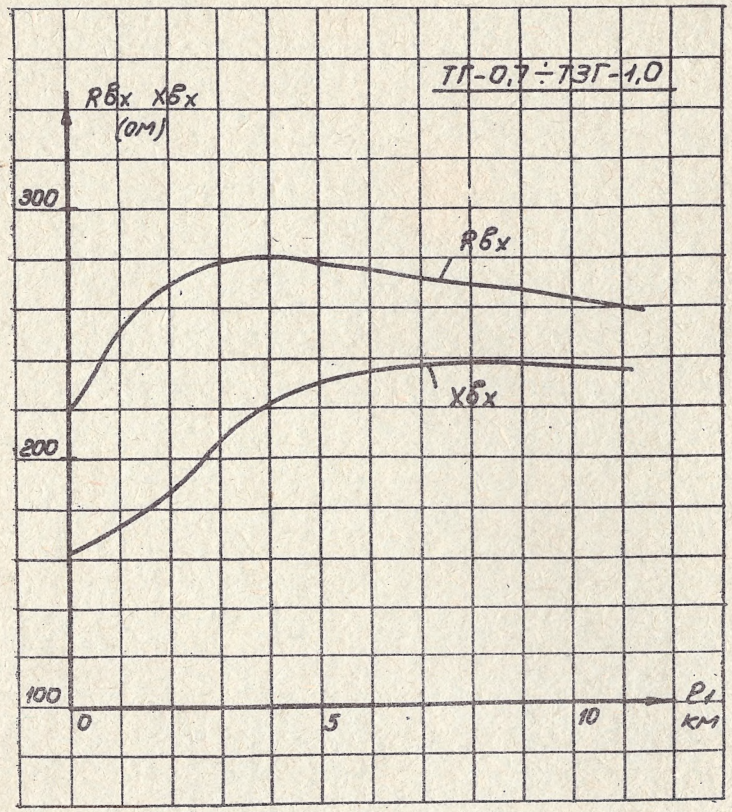

ТГ-0,7 ÷ ТЗГ-1,0
Rвх Xвх
(ом)
300
200
100
Rвх
Xвх
0
5
10
ℓ,
км

Рис. 27

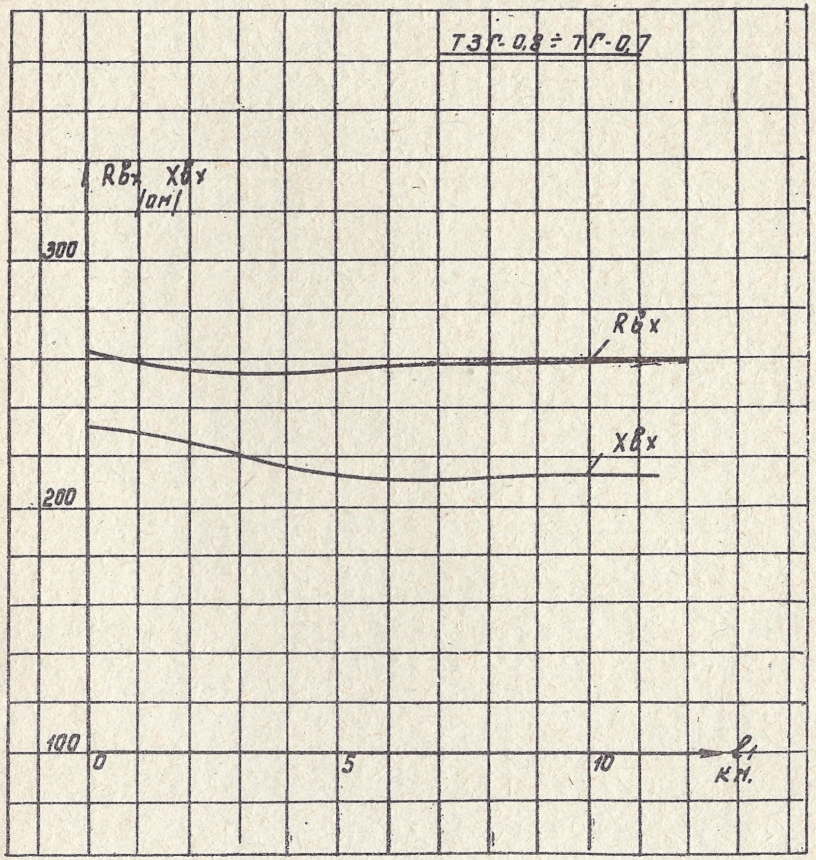

ТЗГ-0,8 ÷ ТГ-0,7
Rвх Xвх
(ом)
300
200
100
Rвх
Xвх
0
5
10
ℓ,
км.

Рис 32

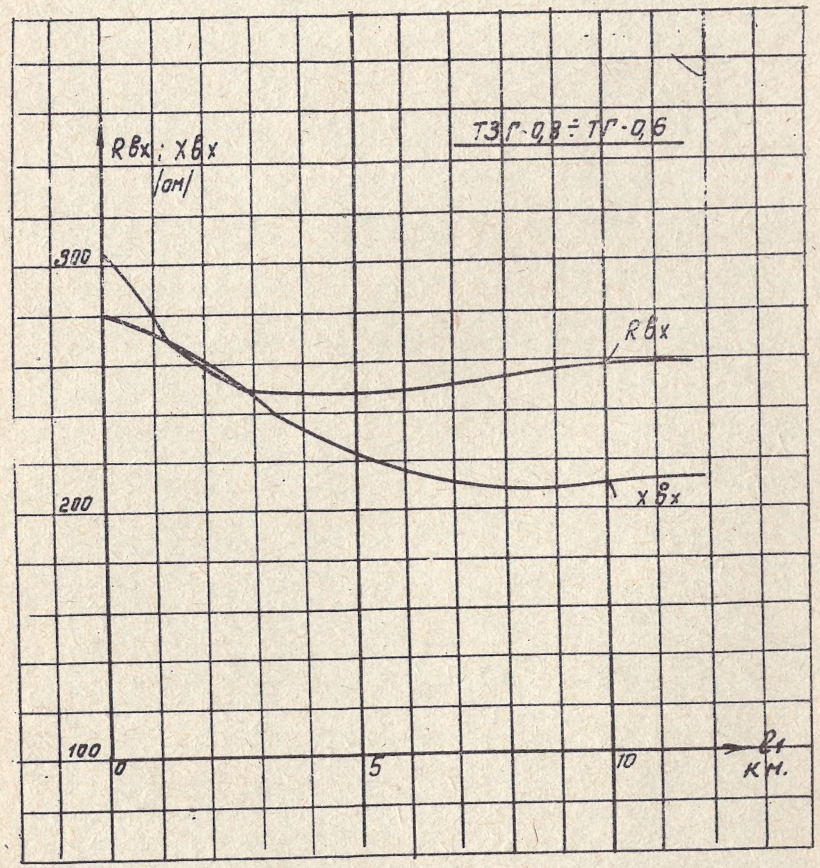

Rвх; Хвх
(ом)
ТЗГ-0,8 ÷ ТГ-0,6
300
200
100
Rвх
Хвх
0
5
10
ℓ1
км.

Рис.31

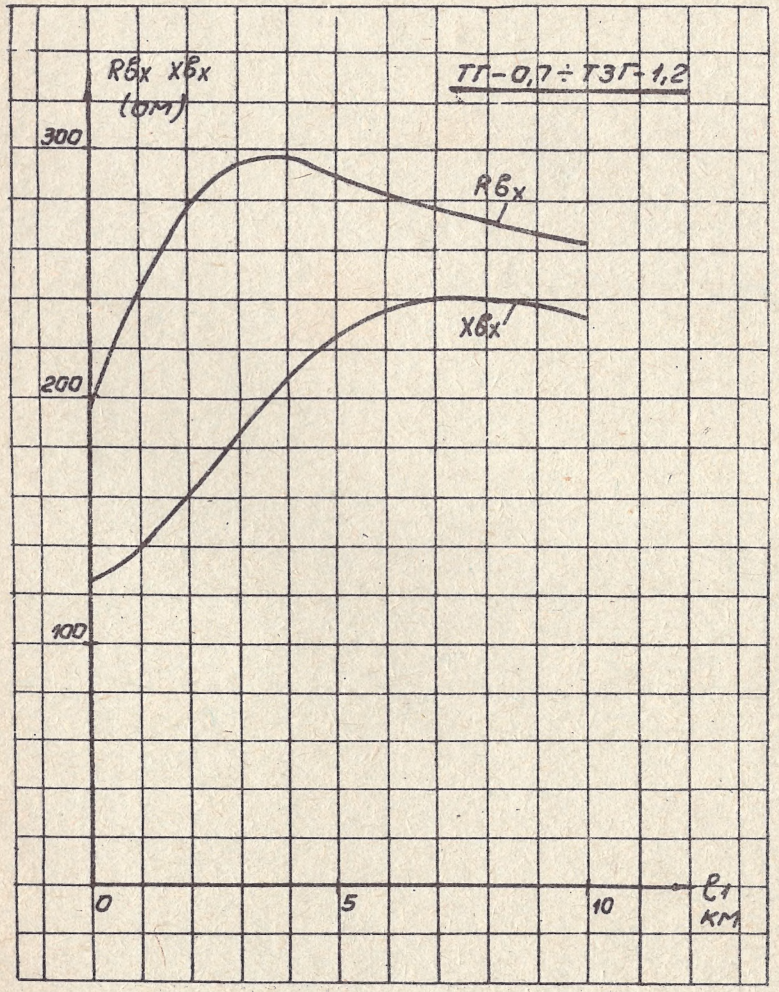

Rвх Хвх
(ом)
ТГ-0,7 ÷ ТЗГ-1,2
300
200
100
Rвх
Хвх
0
5
10
ℓ1
км.

Рис 28

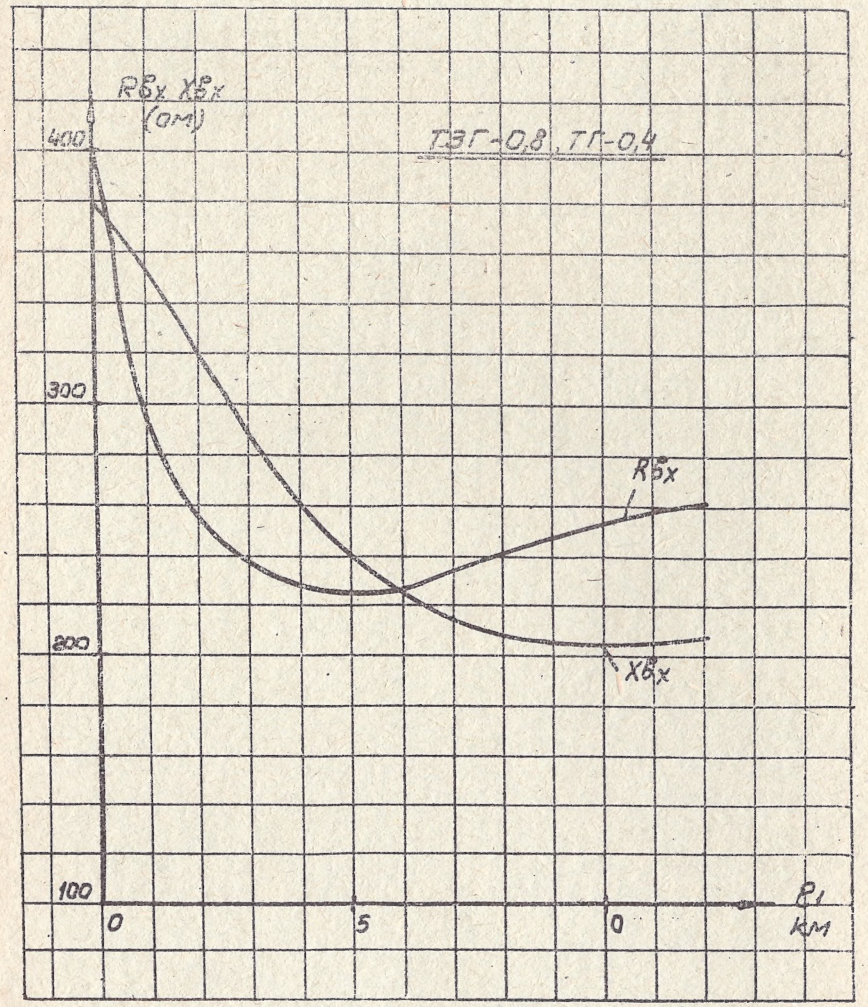

Rбх Xбх
(ом)
ТЗГ-0,8, ТГ-0,4
400
300
200
100
Rбх
Xбх
0
5
0
Р1
км

Рис.29

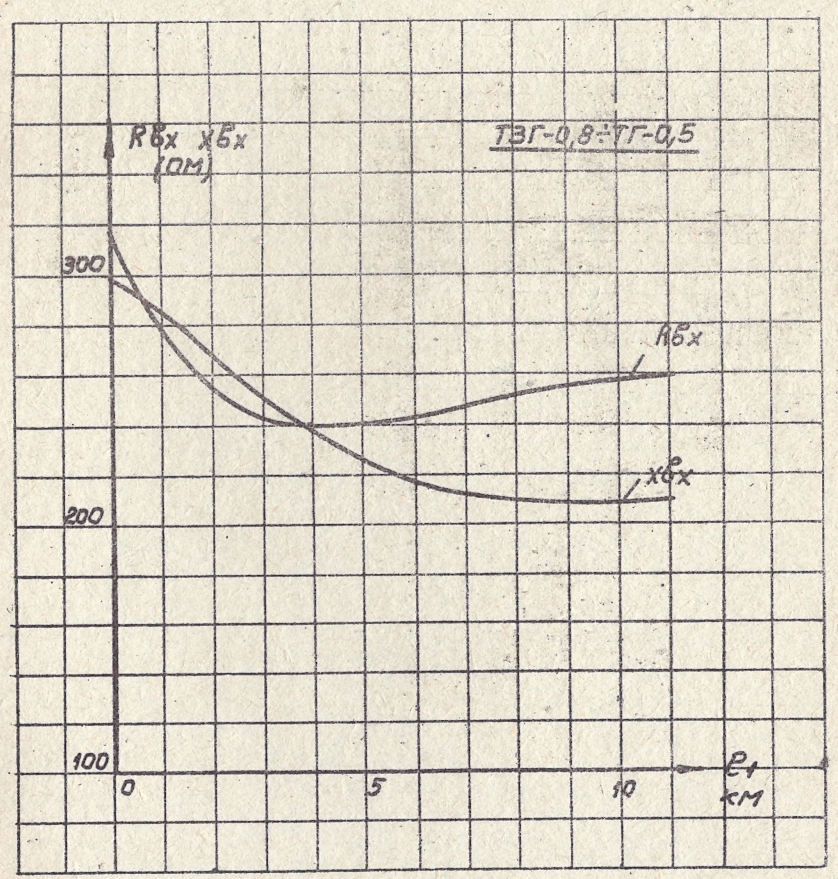

Rбх Xбх
(ом)
ТЗГ-0,8÷ТГ-0,5
300
200
100
Rбх
Xбх
0
5
10
Р1
км

Рис.30